

**SEARS**

**OWNER'S  
MANUAL**

**MODEL NO.  
247.376380**

**Caution:  
Read and Follow  
All Safety Rules  
and Instructions  
Before Operating  
This Equipment**



**CRAFTSMAN®**

**6.0 HORSEPOWER  
21" POWER PROPELLED  
6-SPEED  
MULCHING ROTARY MOWER**

**Assembly  
Operation  
Maintenance  
Service and Adjustment  
Repair Parts**

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**SEARS, ROEBUCK AND CO., Hoffman Estates, IL 60179 U.S.A.**

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**WARNING:** The Engine Exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

# IMPORTANT

## SAFE OPERATION PRACTICES



THIS SYMBOL POINTS OUT IMPORTANT SAFETY INSTRUCTIONS WHICH, IF NOT FOLLOWED, COULD ENDANGER THE PERSONAL SAFETY AND/OR PROPERTY OF YOURSELF AND OTHERS. READ AND FOLLOW ALL INSTRUCTIONS IN THIS MANUAL BEFORE ATTEMPTING TO OPERATE YOUR LAWN MOWER. FAILURE TO COMPLY WITH THESE INSTRUCTIONS MAY RESULT IN PERSONAL INJURY. WHEN YOU SEE THIS SYMBOL— **HEED ITS WARNING.**



### DANGER:

Your lawn mower was built to be operated according to the rules for safe operation in this manual. As with any type of power equipment, carelessness or error on the part of the operator can result in serious injury. This lawn mower is capable of amputating hands and feet and throwing objects. Failure to observe the following safety instructions could result in serious injury or death.



#### I. GENERAL OPERATION

- Read this owner's guide carefully in its entirety before attempting to assemble this machine. Read, understand, and follow all instructions on the machine and in the manual(s) before operation. Be completely familiar with the controls and the proper use of this machine before operating it. Keep this manual in a safe place for future and regular reference and for ordering replacement parts.
- Your rotary mower is a precision piece of power equipment, not a plaything. Therefore, exercise extreme caution at all times. Your unit has been designed to perform one job: to mow grass. Do not use it for any other purpose.
- Never allow children under 14 years old to operate a power mower. Children 14 years old and over should only operate mower under close parental supervision. Only responsible individuals who are familiar with these rules of safe operation should be allowed to use your mower.
- Keep the area of operation clear of all persons, particularly small children and pets. Stop engine when they are in the vicinity of your mower to help prevent blade contact or thrown object injury. Although the area of operation should be completely cleared of foreign objects, an object may have been overlooked and could be accidentally thrown by the mower in any direction and cause serious personal injury to the operator or any others allowed in the area.
- Thoroughly inspect the area where the equipment is to be used. Remove all stones, sticks, wire, bones, toys and other foreign objects which could be picked up and thrown by the mower in any direction and cause serious personal injury to the operator or any others allowed in the area. Plan your mowing pattern to avoid discharge of material toward roads, sidewalks, bystanders and the like. To help avoid a thrown objects injury, keep children, animals, bystanders and helpers at least 75 feet from the mower while it is in operation.
- Always wear safety glasses with side shields or safety goggles during operation or while performing an adjustment or repair, to protect eyes from foreign objects that may be thrown from the machine in any direction.
- Wear sturdy, rough-soled work shoes and close-fitting slacks and shirts. Shirts and pants that cover the arms and legs, and steel-toed shoes are recommended. Do not wear loose fitting clothes or jewelry. They can be caught in moving parts. Never operate a unit in bare feet, sandals, or sneakers.
- Do not put hands or feet near or under rotating parts. Keep clear of discharge opening at all times as the rotating blade can cause injury.
- Many injuries occur as a result of the mower being pulled over the foot during a fall. Do not hang on to the mower if you are falling; release the handle immediately.
- Never pull the mower toward you while you are walking. If you must back the mower away from a wall or obstruction first look down and behind, and then follow these steps:
  - Step back from the mower to fully extend your arms.
  - Be sure you are well balanced with sure footing.
  - Pull the mower back slowly, no more than half way toward you.
  - Repeat these steps as needed.

- Do not operate the mower while under the influence of alcohol or drugs.
- Disengage the self-propelled mechanism or drive clutch on units so equipped before starting the engine.
- The blade control handle is a safety device. Never attempt to bypass its operation. Doing so makes the safety device inoperative and may result in personal injury through contact with the rotating blade. The blade control handle must operate easily in both directions and automatically return to the disengaged position when released.
- Never operate the mower in wet grass. Always be sure of your footing. A slip and fall can cause serious personal injury. Keep a firm hold on the handle and walk, never run. Mow only in daylight or in good artificial light.
- Stop the blade when crossing gravel drives, walks or roads.
- If the equipment should start to vibrate abnormally, stop the engine and check immediately for the cause. Vibration is generally a warning of trouble.
- Shut the engine off and wait until the blade comes to a complete stop before removing the grass catcher or unclogging the chute. The cutting blade continues to rotate for a few seconds after the engine is shut off. Never place any part of the body in the blade area until you are sure the blade has stopped rotating.
- Never operate mower without proper guards, grass catcher, plates or other safety protective devices in place.
- Muffler and engine become hot and can cause a burn. Do not touch.
- Only use accessories approved for this machine by the manufacturer. Read, understand, and follow all instructions provided with the approved accessory.
- If situations occur which are not covered in this manual, use care and good judgment. Contact your dealer for assistance.



#### II. SLOPE OPERATION

For your safety, use the slope gauge included as part of this manual to measure slopes before operating this unit on a sloped or hilly area. If the slope is greater than 15°, as shown on the slope gauge, do not operate this unit on that area or serious injury could result.

##### DO:

- Mow across the face of slopes; never up and down. Exercise extreme caution when changing direction on slopes.
- Watch for holes, ruts, hidden objects, or bumps. Tall grass can hide obstacles.
- Always be sure of your footing. A slip and fall can cause serious personal injury.

##### DO NOT:

- Do not mow near drop-offs, ditches or embankments. The operator could lose footing or balance.
- Do not mow slopes greater than 15° as shown on the slope gauge.
- Do not mow on wet grass. Reduced footing could cause slipping.

### III. CHILDREN

Tragic accidents can occur if the operator is not alert to the presence of children. Children are often attracted to the mower and the mowing activity. Never assume that children will remain where you last saw them.

- Keep children out of the mowing area and under the watchful care of a responsible adult other than the operator.
- Be alert and turn mower off if a child enters the area.
- Before and while moving backwards, look behind and down for small children.
- Never allow children under age 14 to operate the mower.
- Use extreme care when approaching blind corners, shrubs, trees, or other objects that may obscure your vision of a child or hazard.

### IV. SERVICE

- Use extreme care in handling gasoline and other fuels. They are extremely flammable and the vapors are explosive.
- Use only an approved container.
- Never remove gas cap or add fuel while the engine is running. Allow engine to cool at least two minutes before refueling.
- Replace gasoline cap securely and wipe off any spilled gasoline before starting the engine as it may cause a fire or explosion.
- Extinguish all cigarettes, cigars, pipes and other sources of ignition.
- Never refuel machine indoors because flammable vapors will accumulate in the area.
- Never store the machine or fuel container inside where there is an open flame or spark such as a gas water heater, space heater, or furnace.

- Never run an engine inside a closed area.

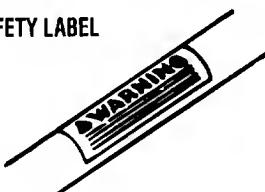
• To reduce fire hazard, keep mower free of grass, leaves, or other debris build-up. Clean up oil or fuel spillage. Allow mower to cool at least 5 minutes before storing.

- Before cleaning, repairing, or inspecting, make certain the blade and all moving parts have stopped. Disconnect the spark plug wire, and keep the wire away from the spark plug to prevent accidental starting.
- Check the blade and engine mounting bolts at frequent intervals for proper tightness. Also, visually inspect blade for damage (e.g., bent, cracked). Replace with blade which meets original equipment specifications.
- Keep all nuts, bolts, and screws tight to be sure the equipment is in safe working condition.
- Never tamper with safety devices. Check their proper operation regularly.
- After striking a foreign object, stop the engine, remove the wire from the spark plug, and thoroughly inspect the mower for any damage. Repair the damage before starting and operating the mower.
- Never attempt to make a wheel or cutting height adjustment while the engine is running.
- Grass catcher components are subject to wear, damage and deterioration, which could expose moving parts or allow objects to be thrown. For safety protection, frequently check components and replace with manufacturer's recommended parts, when necessary.
- Mower blades are sharp and can cut. Wrap the blade(s) or wear gloves, and use extra caution when servicing them.
- Do not change the engine governor setting or overspeed the engine. Excessive engine speeds are dangerous.

OWNER'S  
MANUAL



SAFETY LABEL



#### **WARNING — YOUR RESPONSIBILITY**

Restrict the use of this power machine to persons who read, understand and follow the warnings and instructions in this manual and on the machine.

**CONGRATULATIONS** on your purchase of a Sears Craftsman Lawn Mower. It has been designed, engineered and manufactured to give you the best possible expendability and performance.

Should you experience any problem you cannot easily remedy, please return the lawn mower to the nearest Sears Service Center/Department in the United States. We have competent, well-trained technicians and the proper tools to service or repair this unit.

Please read and retain this manual. The instructions will enable you to assemble and maintain your lawn mower properly. Always observe the "SAFETY RULES."

MODEL  
NUMBER 247.376380

SERIAL  
NUMBER \_\_\_\_\_

DATE OF  
PURCHASE \_\_\_\_\_

THE MODEL AND SERIAL NUMBERS WILL BE FOUND  
ON A LABEL ATTACHED TO THE TOP REAR OF THE  
DECK.

YOU SHOULD RECORD BOTH SERIAL NUMBER AND  
DATE OF PURCHASE AND KEEP IN A SAFE PLACE  
FOR FUTURE REFERENCE.

## PRODUCT SPECIFICATIONS

Horsepower:	6.0
Fuel Capacity:	1-1/2 Quarts (Unleaded)
Oil:	27 Ounces API Classification SF, SG or SH SAE 30
Spark Plug (Gap .030 in.):	Champion J19LM (or Equivalent)
Blade Bolt Torque:	450-600 in. lbs.

## CUSTOMER RESPONSIBILITIES

- Read and observe the safety rules.
- Follow a regular schedule in maintaining, caring for and using your lawn mower.
- Follow the instructions under "Customer Responsibilities" and "Storage" sections of this Owner's Manual.

## MAINTENANCE AGREEMENT

A Sears Maintenance Agreement is available on this product. Contact your nearest Sears store for details.

**WARNING:** This unit is equipped with an internal combustion engine and should not be used on or near any unimproved forest-covered, brush-covered or grass-covered land unless the engine's exhaust system is equipped with a spark arrester meeting applicable local or state laws (if any). If a spark arrester is used, it should be maintained in effective working order by the operator.

In the State of California the above is required by law (Section 4442 of the California Public Resources Code). Other states may have similar laws. Federal laws apply on federal lands. A spark arrester for the muffler is available through your nearest Sears Authorized Service Center. (See the REPAIR PARTS section of this manual.)

## FULL TWO YEAR WARRANTY ON CRAFTSMAN LAWN MOWER

For two years from the date of purchase, when this Craftsman lawn mower is maintained, lubricated, and tuned up according to the operating and maintenance instructions in the operator's manual, Sears will repair, free of charge, any defect in material or workmanship.

This warranty excludes the blades, blade adapters, belts, air cleaners and spark plugs, which are expendable parts and become worn during normal use.

If this lawn mower is used for commercial or rental purposes, this warranty applies for only 30 days from the date of purchase.

WARRANTY SERVICE IS AVAILABLE BY CONTACTING THE NEAREST SEARS SERVICE CENTER IN THE UNITED STATES. THIS WARRANTY APPLIES ONLY WHILE THIS PRODUCT IS IN USE IN THE UNITED STATES.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

SEARS ROEBUCK AND CO., DEPT. 817WA, HOFFMAN ESTATES, IL 60179

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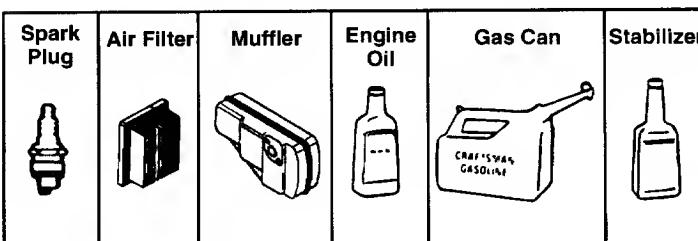
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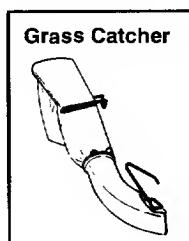
## MOWER ACCESSORIES

These accessories were available when the mower was purchased. They are also available at most Sears retail outlets, catalog and service centers. Most Sears stores can order repair parts for you, when you provide the model number of your mower.

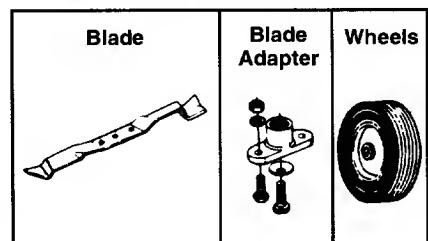
## ENGINE



## MOWER



## MOWER MAINTENANCE



# ASSEMBLY

**IMPORTANT:** This unit is shipped WITHOUT GASOLINE or OIL in the engine. Be certain to service engine with gasoline and oil before operating your mower.

**NOTE:** Reference to right or left hand side of the mower is observed from the operating position.

## TO REMOVE MOWER FROM CARTON

- Remove staples, break glue on top flaps, or cut tape at carton end and peel along top flap to open carton.
- Remove loose parts included with unit (owner's manual, side discharge chute, grass catcher bracket and bottle of oil).
- Cut along dotted lines and lay carton down flat.
- Remove packing material.
- Roll or slide unit out of carton. Check carton thoroughly for loose parts.

**NOTE:** Keep the grass catcher bracket in a safe place. If you purchase the optional grass catcher, mount the bracket on the right side of the upper handle as shown on page 18 of this manual, key 10.

## HOW TO SET-UP YOUR LAWN MOWER

- Disconnect the spark plug wire from the spark plug. Ground the spark plug wire by attaching it to the retaining post until ready to operate your mower. See figures 1 and 2. (Spark plug wire is shown in figure 1 without the rubber boot for clarity.)
- Remove any packing material which may be between the upper and lower handles for shipping purposes.
- Pull up and back on the upper handle to raise the handle into the operating position. Make certain the lower handle is seated securely into the handle mounting brackets. Tighten the hand knobs on each side of the handle (carriage bolts must be seated properly into the handle).

**NOTE:** Your mower is shipped with the handle in the higher height position. If you wish to lower the height of the handle, refer to the Adjustment Section at this time.

- Using a pair of pliers, remove hairpin clips from the outer hole in weld pins on handle mounting brackets. Place hairpin clips in the **inner** hole. See figure 3.
- The rope guide is attached to the right side of upper handle. Loosen the wing nut which secures the rope guide. See figure 4.
- With the spark plug wire disconnected and grounded, hold the blade control handle against the upper handle, and pull the starter rope out of the engine. Release the blade control handle. Slip the starter rope into the rope guide. Tighten the wing nut.

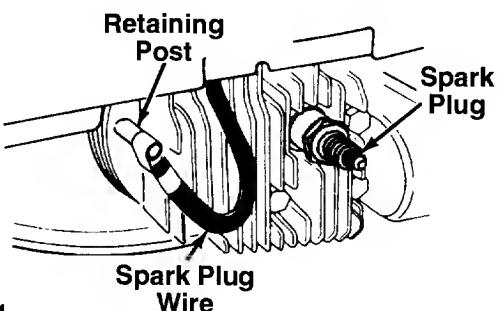


FIGURE 1.

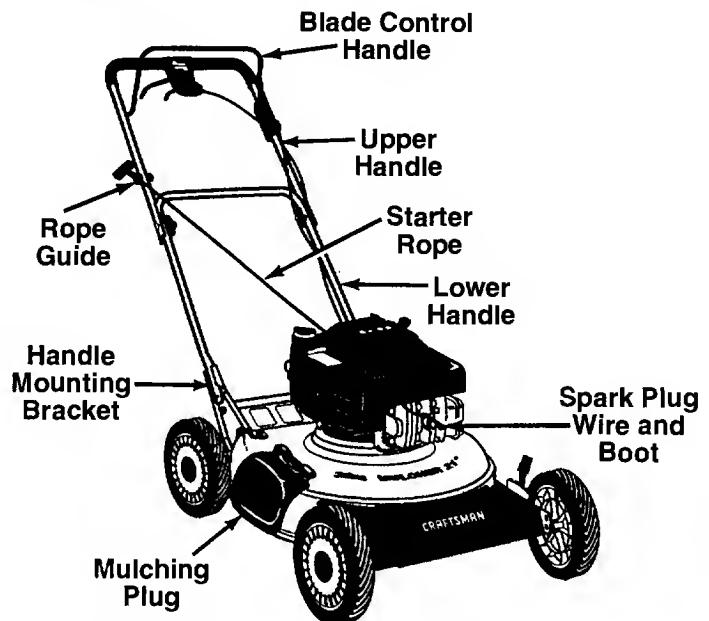


FIGURE 2.

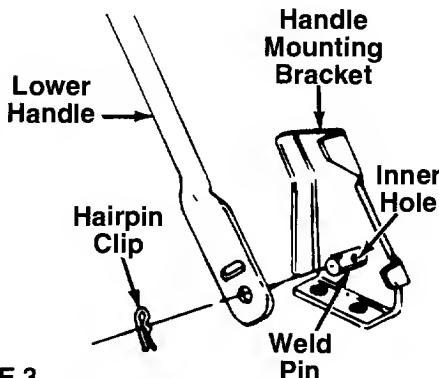


FIGURE 3.

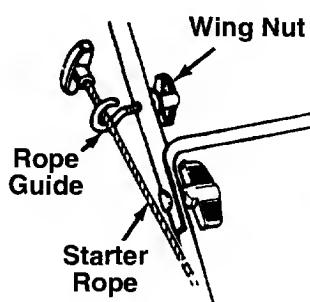


FIGURE 4.

- Make certain all nuts and bolts are tightened securely. Also, be certain to reconnect the spark plug wire before starting the mower.

Your mower has been shipped as a mulcher. To discharge grass to the side, proceed as follows.

- **To convert your mower from a mulcher to a side discharge mower**, lift the mulching plug. See figure 5. Slide the two hooks on the side discharge deflector under the hinge pin on the mulching plug assembly. Lower the mulching plug.

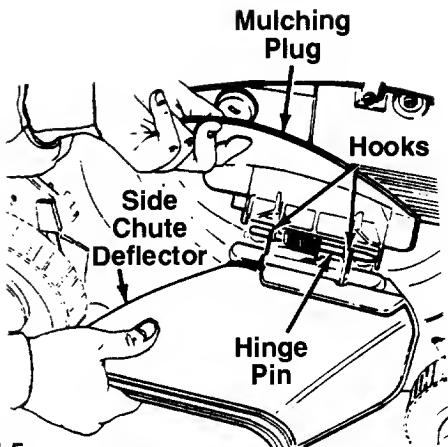
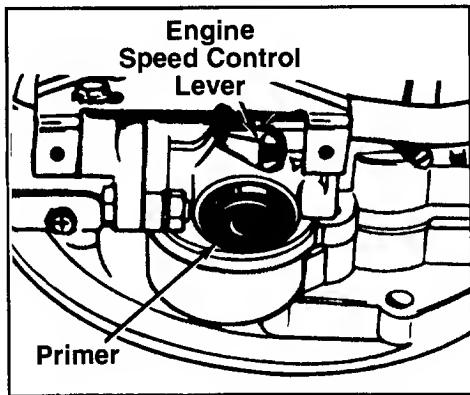
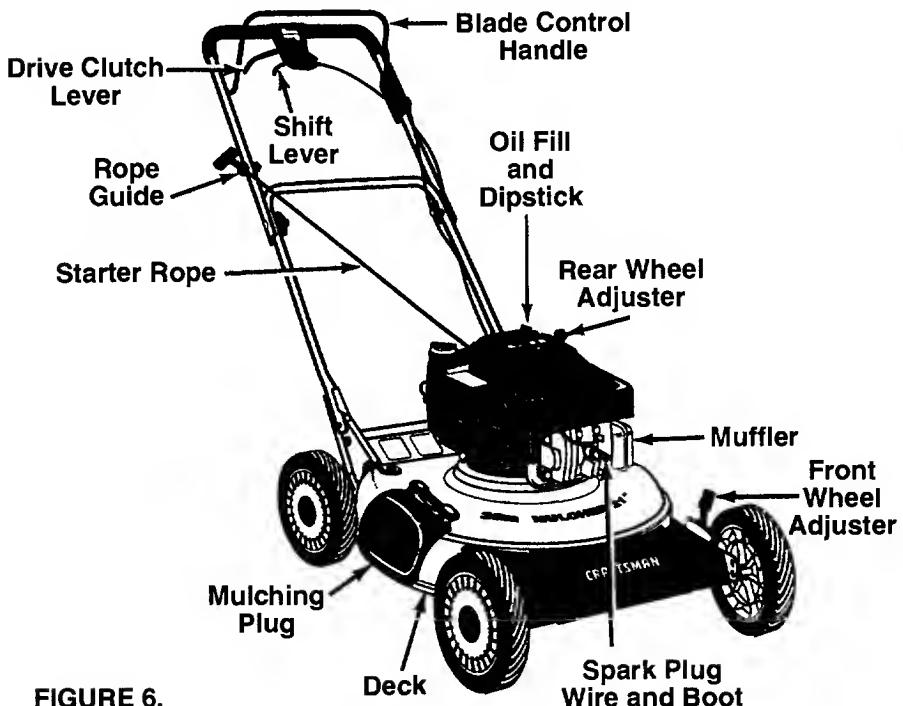


FIGURE 5.

## OPERATION

### KNOW YOUR LAWN MOWER

READ THIS OWNER'S MANUAL AND SAFETY RULES BEFORE OPERATING YOUR LAWN MOWER. Compare the illustrations with your lawn mower to familiarize yourself with the location of various controls and adjustments. Save this manual for future reference.



LEFT SIDE OF MOWER

FIGURE 6.

### MEETS CPSC BLADE SAFETY REQUIREMENTS

Sears Walk-Behind Lawn Mowers conform to the safety standards of the American National Standards Institute, and the U.S. Consumer Product Safety Commission. The blade turns when the engine is running.

**BLADE CONTROL HANDLE**—must be held down to the handle to start and run the engine. Release to stop the engine.

**STARTER ROPE**—used for starting the engine.

**PRIMER**—pumps additional fuel from the carburetor to the cylinder for use when starting a cold engine.

**ENGINE SPEED CONTROL LEVER**—permits selection of fast or slow engine speed.

**DRIVE CLUTCH CONTROL**—must be held against the handle to engage the wheel drive. Release the drive clutch control to stop the wheels from driving.

**SHIFT LEVER**—is used to select one of six operating speeds for the mower.

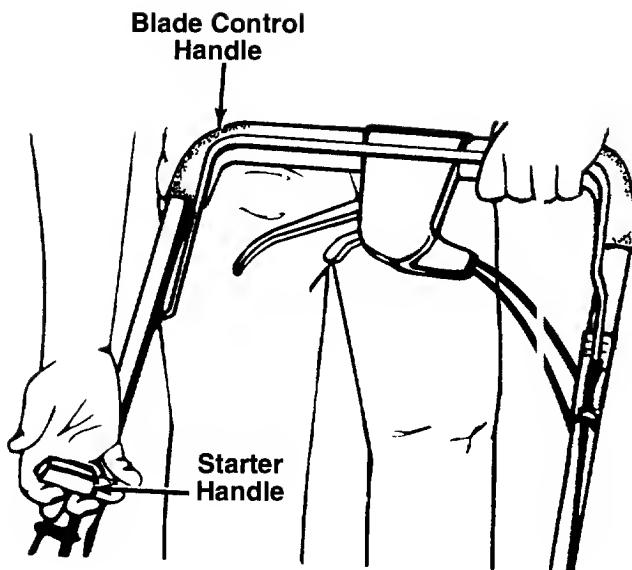


FIGURE 8.

## MULCHING OR MOWING TIPS

- For best results in normal and heavy mowing, always run engine in "HI" speed position. "LOW" speed is only for light cutting, trimming and fuel economy.
- The grass condition at the time of mowing determines the proper mower cutting height setting for best lawn appearance. For a healthy lawn, always cut one-third or less of the total length of the grass at any one cutting.
- Under certain conditions, such as very tall grass, it may be necessary to raise the height of cut to reduce pushing effort and to keep from overloading the engine and leaving clumps of grass clippings.
- For extremely heavy cutting, use a slow ground speed, and reduce the width of cut.
- Under heavy conditions cross cut for additional mulching of surface debris.

## CUSTOMER RESPONSIBILITIES

### GENERAL RECOMMENDATIONS

- In order to maintain the warranty on your mower, the customer is expected to perform the maintenance as outlined below.

- Once a year you should replace the spark plug, air filter, and check blade for wear. A new spark plug and air filter assures proper air-fuel mixture and helps your engine run better and last longer.

### MAINTENANCE SCHEDULE

SERVICE RECORD	SCHEDULE				SERVICE DATES			
	Every Use	After First Two Hours	Every 25 Hours					
Check Engine Oil	✓							
Lubricate Mower			✓					
Blade Care			✓					
Change Engine Oil		✓	✓					
Spark Plug Replaced			✓					
Air Filter Replaced			✓					
Cleaning	✓							

✓ CHECK

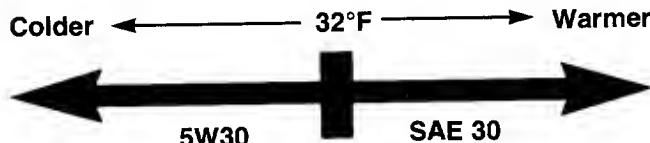
# CUSTOMER RESPONSIBILITIES

## LUBRICATION

### ENGINE OIL RECOMMENDATIONS

A 27 ounce bottle of SAE 30 oil is included with your new lawn mower.

Only use high quality detergent oil rated with API service classification SF, SG or SH. Select the oil's viscosity grade according to your expected operating temperature.



**NOTE:** Although multi-viscosity oil (5E30, 10W30, etc.) improves starting in cold weather, these multi-viscosity oils will result in increased oil consumption when used above 32° F. Check your oil level more frequently to avoid possible engine damage from running low on oil.

## WHEELS

DO NOT oil or grease the wheel bearings. Viscous lubricants will attract dust and dirt that will shorten the life of the self-lubricating wheel bearings. If you feel the wheels must be lubricated, use only a dry, silicone type lubricant sparingly.

## WHEEL ADJUSTERS

For easy operation, lubricate the wheel adjusters at least once a season with light oil.

## BRAKE SPRING BRACKET

Spray a light oil lubricant on the brake spring bracket, located on the right rear corner of the engine, at least once a season.

## TRANSMISSION

The transmission is pre-lubricated and sealed at the factory. It does not require checking. If disassembled for any reason, fill with 2 ounces of Alvania grease, part number 737-0168.

## MOWER

### BLADE CARE

Your mower will work better with a sharp blade.



**CAUTION: DISCONNECT SPARK PLUG WIRE FROM SPARK PLUG AND PLACE WIRE WHERE IT CANNOT COME IN CONTACT WITH THE SPARK PLUG.**

### TO REMOVE BLADE (See Figure 9):

- Turn mower on its side. Make sure air filter and carburetor are up.

- Use a block of wood between blade and mower deck to prevent blade from turning when bolt is removed. Protect your hands with gloves and/or wrap blade with heavy cloth.

- Remove blade bolt by turning counterclockwise. Use a 9/16" box or open-end wrench.

**NOTE:** A wave washer and two spacers may come off the crankshaft when the blade is removed. When reassembling, place spacers on the crankshaft first, then the wave washer.

### TO REPLACE BLADE (See Figure 9):

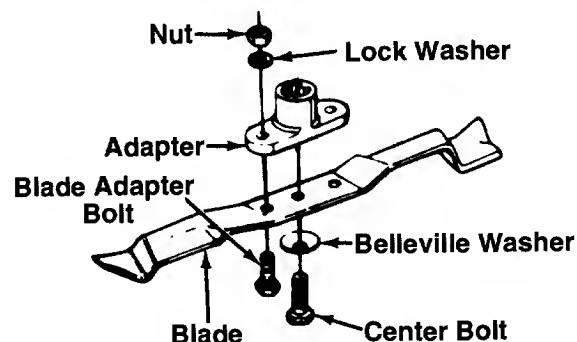
- Put blade adapter on engine crankshaft.
- Fit blade in adapter. Be sure trailing edge of blade is up towards engine.
- Assemble bolts, washers, and nuts in the exact order of removal.
- Use block of wood to hold blade and tighten bolt clockwise. The recommended torque for the center bolt is 450-600 in. lbs. The recommended torque for the blade adapter bolts is 200-350 in. lbs. Torque wrenches are available at most Sears stores and through the catalog.

**IMPORTANT: THE BOLT USED TO SECURE THE BLADE TO ENGINE IS SPECIALLY HEAT-TREATED. DO NOT SUBSTITUTE (SEE REPAIR PARTS).**



**CAUTION: A LOOSE BLADE CAN BE DANGEROUS AND MAY MAKE THE ENGINE HARD TO START.**

Use only a Sears authorized replacement blade to get the best cutting results.



**FIGURE 9.**

**NOTE:** We do not recommend sharpening the blade—but if you do, be sure blade is balanced.

### TO SHARPEN BLADE

- The blade can be sharpened with a file or on a grinding wheel. Do not attempt to sharpen while on the mower.
- Care should be taken to keep the blade balanced. An unbalanced blade will cause excessive vibration when running and eventual damage to mower and engine.

# CUSTOMER RESPONSIBILITIES

- To check blade balance, drive a nail into a beam or wall. Leave about one inch of the straight nail exposed. Place center hole of blade over the head of the nail. If blade is balanced, it should remain in a horizontal position. If either end of the blade moves downward, blade is not balanced. Sharpen the heavy end until the blade is balanced.

## ENGINE

### ENGINE LUBRICATION

You must change the oil in the crankcase after the first two (2) hours of operation and after each 25 hours of use thereafter. **CHANGE THE OIL MORE FREQUENTLY IF USED IN SANDY OR DUSTY CONDITIONS.**

### TO DRAIN OIL

- Disconnect spark plug wire from spark plug and place wire where it cannot come in contact with plug.
- Drain the gas tank.
- Remove the oil fill cap and dipstick. Turn and tip the unit on its side with the carburetor up, and drain oil into a suitable container.
- Refill crankcase with oil. Refer to "ENGINE OIL RECOMMENDATIONS" on previous page.
- Replace oil fill cap and dipstick. Tighten cap securely.

### SPARK PLUG

Change your spark plug each year to make your engine start easier and run better. Set spark plug gap at .030 inch.

### AIR FILTER

Your engine will not run properly and may be damaged by using a dirty air filter.

Replace the air filter every year, or more often if you mow in very dusty, dirty conditions. Do not wash air filter.

### TO CHANGE AIR FILTER (See Figure 10):

- Remove cover from body by loosening cover screw (**do not remove screw from cover**). Swing cover down to remove from hinge.

- Clean the inside of the body and cover with a clean cloth to remove any dirt accumulation.
- Insert new filter in body.
- Install cover on body by aligning hinge between body and cover. Swing cover upward against body. Tighten cover screw securely.

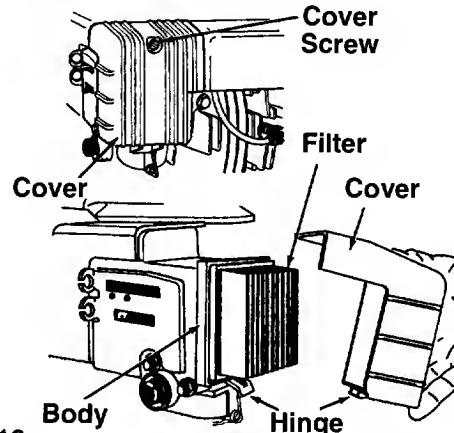


FIGURE 10.

### CLEANING



**WARNING: DISCONNECT SPARK PLUG WIRE FROM SPARK PLUG AND PLACE WIRE WHERE IT CANNOT COME IN CONTACT WITH THE SPARK PLUG.**

- Turn mower on its side with carburetor and air filter up.
- Clean the underside of your mower after each use by scraping to remove build-up of grass clippings, leaves, dirt or other matter. If this debris is allowed to accumulate, it will invite rust and corrosion, and may prevent proper mulching.
- Clean your mower and engine often to keep build-up of grass or debris from accumulating around engine. A clogged engine runs hotter and shortens engine life.

**NOTE:** We DO NOT recommend using a garden hose to clean mower unless the electrical system, muffler, air filter and carburetor are covered to keep water out. Water in engine can result in shortening engine life.

# STORAGE

Prepare your mower for storage at the end of the season or it the unit will not be used for 30 days.



**WARNING: NEVER STORE MACHINE WITH FUEL IN THE FUEL TANK INSIDE OF BUILDING WHERE FUMES MAY REACH AN OPEN FLAME OR SPARK, OR WHERE IGNITION SOURCES ARE PRESENT SUCH AS HOT WATER AND SPACE HEATERS, FURNACES, CLOTHES DRYERS, STOVES, ELECTRIC MOTORS, ETC.**

**NOTE:** A yearly check-up by your local Sears Service Center is a good way to make certain your mower will provide maximum performance for the next season.

## MOWER

- Clean underside of mower housing (See "CLEANING" in "Customer Responsibilities" section of manual).
- Inspect and replace/sharpen blade, if required (See "BLADE CARE" in "Customer Responsibilities" section of manual).
- Lubricate as shown in "Customer Responsibilities" section of manual.

## HANDLE

- You can fold your mower's handle for storage as shown in figure 11. Remove the starter rope from the rope guide. Loosen the two hand knobs on the sides of the handle, and let the upper handle fold down to the rear. Move the hairpin clips to the outer hole in the weld pins on the handle mounting brackets. Refer to figure 3. Spread the sides of the lower handle, and push it forward and down.

**IMPORTANT: WHEN FOLDING HANDLE FOR STORAGE OR TRANSPORTATION, BE CAREFUL NOT TO BEND OR KINK THE CABLES.**

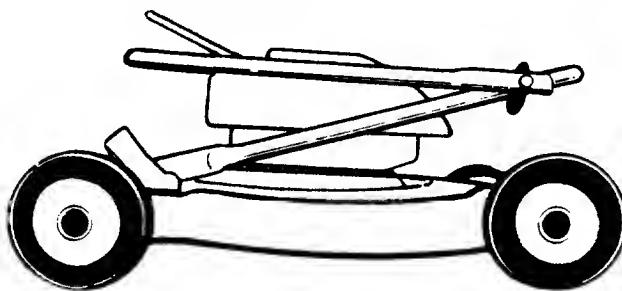


FIGURE 11.

- To place the handle in the operating position, refer to "Assembly" on page 6 of this manual.

**IMPORTANT: IT IS IMPORTANT TO PREVENT GUM DEPOSITS FROM FORMING IN ESSENTIAL FUEL SYSTEM PARTS SUCH AS CARBURETOR, FUEL FILTER, FUEL HOSE, OR TANK DURING STORAGE. ALSO, FUEL (CALLED GASOHOL OR USING ETHANOL OR METHANOL) CAN ATTRACT MOISTURE WHICH LEADS TO SEPARATION AND FORMATION OF ACID DURING STORAGE. ACIDIC GAS CAN DAMAGE THE FUEL SYSTEM OF AN ENGINE WHILE IN STORAGE.**

- Drain the fuel tank. Start the engine, and let it run until fuel lines and carburetor are empty.
- Never use engine or carburetor cleaner products in the fuel tank or permanent damage may occur.
- Use fresh fuel next season.

**NOTE:** Fuel stabilizer is an acceptable alternative in minimizing formation of fuel gum deposits during storage. Add stabilizer to gasoline in fuel tank in fuel tank or storage container. Always follow mix ratio found on stabilizer container. Run engine at least 10 minutes after adding stabilizer to allow stabilizer to reach the carburetor. Do not drain gas tank and carburetor if using stabilizer.

- Drain all the oil from the crankcase (this should be done after the engine has been operated and is still warm) and refill the crankcase with fresh oil.
- If you have drained the fuel tank, protect the inside of the engine as follows. Remove spark plug, pour approximately 1/2 ounce (approximately one tablespoon) of engine oil into cylinder and crank slowly to distribute oil. Replace spark plug.

## OTHER

- Do not store gasoline from one season to another.
- Replace your gasoline can if your can starts to rust. Rust and/or dirt in your gasoline will cause problems.
- Store unit in a clean, dry area. Do not store next to corrosive materials, such as fertilizer.

**NOTE: If storing in an unventilated or metal storage shed, be certain to rustproof the equipment by coating with a light oil or silicone.**

# SERVICE AND ADJUSTMENT

## CUTTING HEIGHT ADJUSTMENT

Refer to "ADJUST CUTTING HEIGHT" in operation section of manual.

## HANDLE HEIGHT ADJUSTMENT

Your mower is shipped with the handle in the higher

height position. To lower the handle height, proceed as follows.

- Remove the starter rope from the rope guide.
- Remove the upper handle by removing the hand knobs and carriage bolts. Lay the upper handle out of the way, being careful not to bend or kink the cable.

# SERVICE AND ADJUSTMENT

- Remove the hairpin clips from the weld pins on the handle brackets. Press outward on the sides of the lower handle, and remove it from the mower.
- Turn the lower handle around so the notch on the bottom of the lower handle is facing forward as shown in figure 12. Reassemble, placing the bottom holes in the handle over the weld pins in the handle mounting bracket.
- Reassemble the upper handle.
- Place the hairpin clips in the **inner** holes in the weld pins and attach the starter rope as instructed in the Assembly Section.

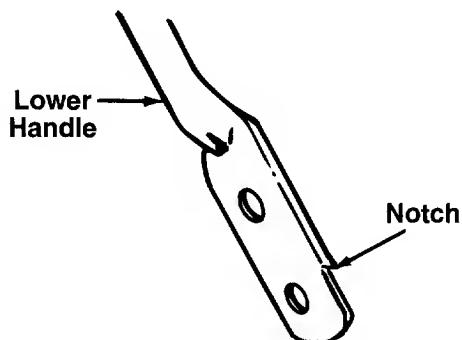


FIGURE 12.

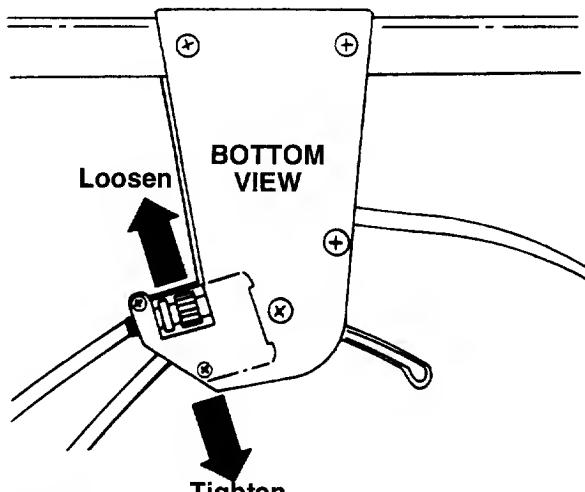


FIGURE 13.

## DRIVE CLUTCH ADJUSTMENT

The correct drive clutch adjustment varies with the speed of the mower. The drive clutch adjustment may be checked as follows. Without starting the engine, engage the drive clutch control (squeeze control lever against the handle) and pull the mower backward. The wheels should lock. Then release the drive clutch control and pull the mower backward. It should move freely (or with only a small amount of resistance).

If the wheels lock up when pulled backward with the drive clutch control released (engine off), or if mower moves forward with the drive clutch control released (engine running), turn the adjustment wheel located beneath the drive clutch control housing, toward the operator to loosen the cable. See figure 13. Recheck the adjustment as instructed above.

If the mower does not drive in low speed, tighten the cable by turning the adjustment wheel away from the operator. Recheck the adjustment.

Periodic adjustment may also be necessary due to normal stretch and wear on the belt. Adjustment may be needed if the wheels seem to hesitate, but the engine maintains the same speed. To tighten the cable, move the adjustment wheel toward the right. Always be certain to recheck the adjustment.

## SIX SPEED SHIFT ADJUSTMENT

Periodic adjustment may be required due to normal wear. Adjustment is needed if the shift lever cannot be moved to all six positions.

- Loosen the nut which secures the adjustable cable bracket, located on the left side of the engine. See figure 14.
- Place the shift lever in high speed (6) position.
- Move the bracket to make certain it is loose. Then slide it towards the rear of the unit as far as it will go, so that the pulley halves (beneath the deck) are against each other. Make certain the belt does not interfere.
- Tighten the nut to secure the bracket in this position.

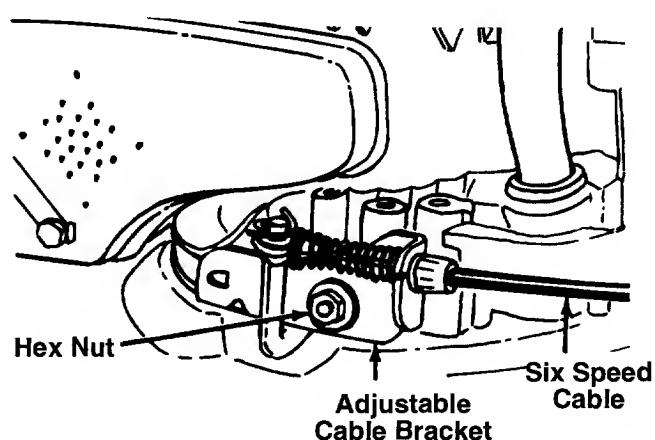


FIGURE 14.

# SERVICE AND ADJUSTMENT

## CARBURETOR

Your carburetor has been completely adjusted at the factory. If your engine does not operate properly due to suspected carburetor problems, take your mower to an authorized Sears Service Center for repair and adjustment.

## ENGINE SPEED

Your engine slow and fast speeds have been factory set. Do not attempt to increase engine speed or it may result in personal injury. If you believe that the engine is running too fast or too slow, take your mower to an authorized Sears Service Center for repair and adjustment.

## REAR TRAIL SHIELD

The rear trail shield, attached between the rear wheels of your mower, is provided to minimize the possibility that objects will be thrown out the rear of the mower toward the operator.

If the shield becomes damaged, it should be replaced.

## BELT REMOVAL AND REPLACEMENT

- Place shift lever in third speed.
- Disconnect the spark plug wire and ground it against the engine.
- Drain the fuel tank or place a piece of plastic beneath the cap to prevent gasoline leakage.
- Remove the transmission belt cover by removing five self-tapping screws. See figure 15.

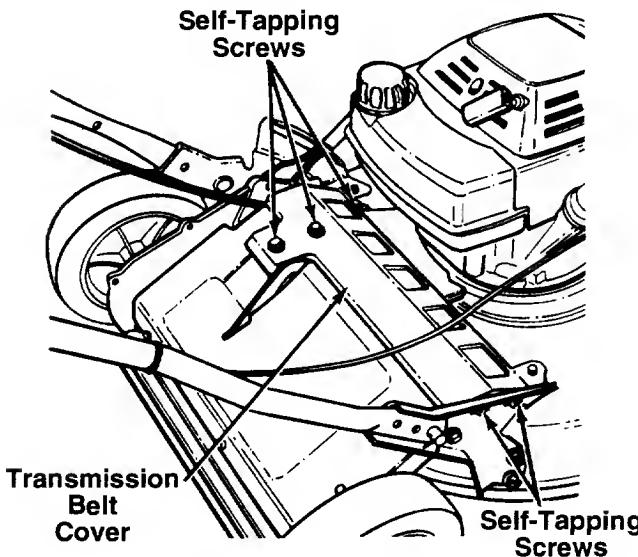


FIGURE 15.

- Tip the mower on its side. Block securely.
- Remove the center bolt which secures the blade to the crankshaft. See figure 16. Remove the blade and blade adapter.

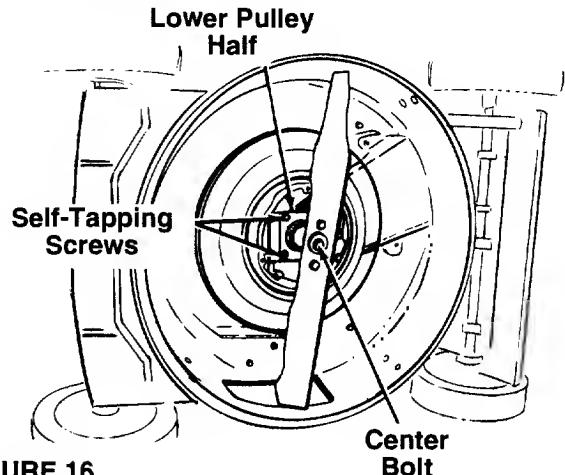


FIGURE 16.

- Remove the two-self-tapping screws which secure the lower pulley half. See figure 16. Rotate the lower pulley half 90° clockwise (see figure 17) and remove from the mower. Remove the belt from around the crankshaft.

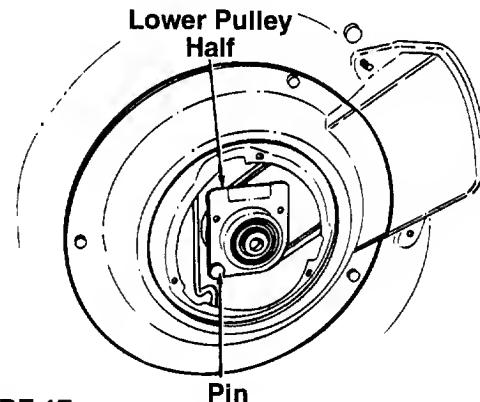


FIGURE 17.

- Remove the belt from between the idler pulley and the belt guard on the idler pulley bracket. See figure 18.

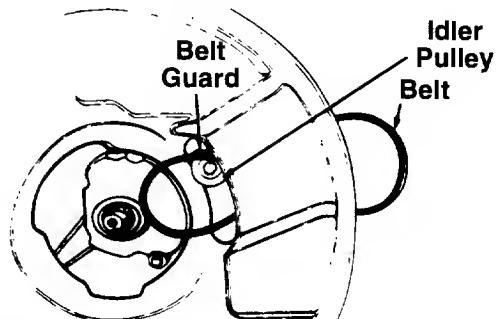


FIGURE 18.

- Remove the belt from the transmission pulley.
- Assemble the new belt as follows.
- Push the idler pulley up out of the way as shown in figure 18.

- Slide the belt in from the rear of the deck, and place it around the transmission pulley.
- Release the idler pulley so it falls down into position. Slide the belt in between the idler pulley and belt guard on the idler pulley bracket.
- Grease the crankshaft. Place belt between the two pulley halves, and reassemble the blade adapter and blade. Reassemble the inside belt cover.
- Reassemble the transmission belt cover.

## TROUBLE SHOOTING GUIDE

Trouble	Possible Cause(s)	Corrective Action
Engine fails to start	1. Blade control handle disengaged. 2. Spark plug wire disconnected. 3. Throttle control lever not in starting position. 4. Fuel tank empty, or stale fuel. 5. Blocked fuel line. 6. Faulty spark plug. 7. Engine flooded.	1. Engage blade control handle. 2. Connect wire to spark plug. 3. Move throttle lever to starting position. 4. Fill tank with clean, fresh gasoline. 5. Clean fuel line. 6. Clean, adjust gap or replace. 7. Crank engine with throttle in FAST position.
Engine runs erratic	1. Spark plug wire loose. 2. Blocked fuel line, or stale fuel.  3. Vent in gas cap plugged. 4. Water or dirt in fuel system. 5. Dirty air cleaner.	1. Connect and tighten spark plug wire. 2. Clean fuel line; fill tank with clean, fresh gasoline. 3. Clear vent. 4. Drain fuel tank. Refill with fresh fuel. 5. Clean air cleaner. See "Customer Responsibilities" section of this manual.
Engine overheats	1. Engine oil level low. 2. Air flow restricted.	1. Fill crankcase with proper oil. 2. Clean lawn mower engine.
Occasional skip (hesitates) at high speed	Spark plug gap too close.	Adjust gap to .030".
Idles poorly	1. Spark plug fouled, faulty or gap too wide. 2. Dirty air cleaner.	1. Reset gap to .030" or replace spark plug. 2. Clean air cleaner. See "Customer Responsibilities" section of this manual.
Excessive vibration	1. Cutting blade loose or unbalanced.  2. Bent cutting blade. 3. Bent engine crankshaft.	1. Tighten blade and adapter. Balance blade. 2. Replace blade. 3. Contact your SEARS Service Center.
Mower will not mulch grass	1. Engine speed too low. 2. Wet grass.  3. Excessively high grass.  4. Dull blade.	1. Move throttle lever to FAST position. 2. Do not mow when grass is wet; wait until later to cut.  3. Mow once at a high cutting height, then mow again at desired height or make a narrower cutting swath (1/2 width). Do not cut off more than 1/3 of the total length of the grass at any one cutting. 4. Sharpen or replace blade.
Uneven cut	1. Wheels not positioned correctly.  2. Dull blade.	1. Place all four wheels in same height position. 2. Sharpen or replace blade.
Mower propels with clutch disengaged	Drive clutch control adjustment needed.	Adjust drive clutch control. See "Service and Adjustment" section of this manual.
Mower will not propel	1. Drive clutch control adjustment needed.  2. Wet grass.	1. Adjust drive clutch control. See "Service and Adjustment" section of this manual. 2. Do not mow when grass is wet; wait until later to cut.

Note: For repairs beyond the minor adjustments listed above, contact your nearest SEARS Service Center.

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## HOW TO ORDER REPLACEMENT PARTS

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Each lawn mower has its own model number. Each engine has its own model number.

The model number for your lawn mower will be found on a label attached to the lawn mower on the top rear of the deck.

The model number for the engine will be found on the blower housing of the engine.

All parts listed herein may be ordered through Sears, Roebuck and Co. Service Centers and most Retail Stores.

**WHEN ORDERING REPAIR PARTS, ALWAYS GIVE THE FOLLOWING INFORMATION:**

**\*PRODUCT - "21" Mulching Rotary Mower"**

**\*MODEL NUMBER - 247.376380**

**\*ENGINE MODEL NO. - 143.966000**

**\*PART NUMBER**

**\*PART DESCRIPTION**

Your Sears merchandise has added value when you consider that Sears has service units nationwide staffed with Sears trained technicians...professional technicians specifically trained on Sears products, having the parts, tools and the equipment to ensure that we meet our pledge to you..."we service what we sell."

**IF YOU NEED REPAIR SERVICE OR PARTS:**

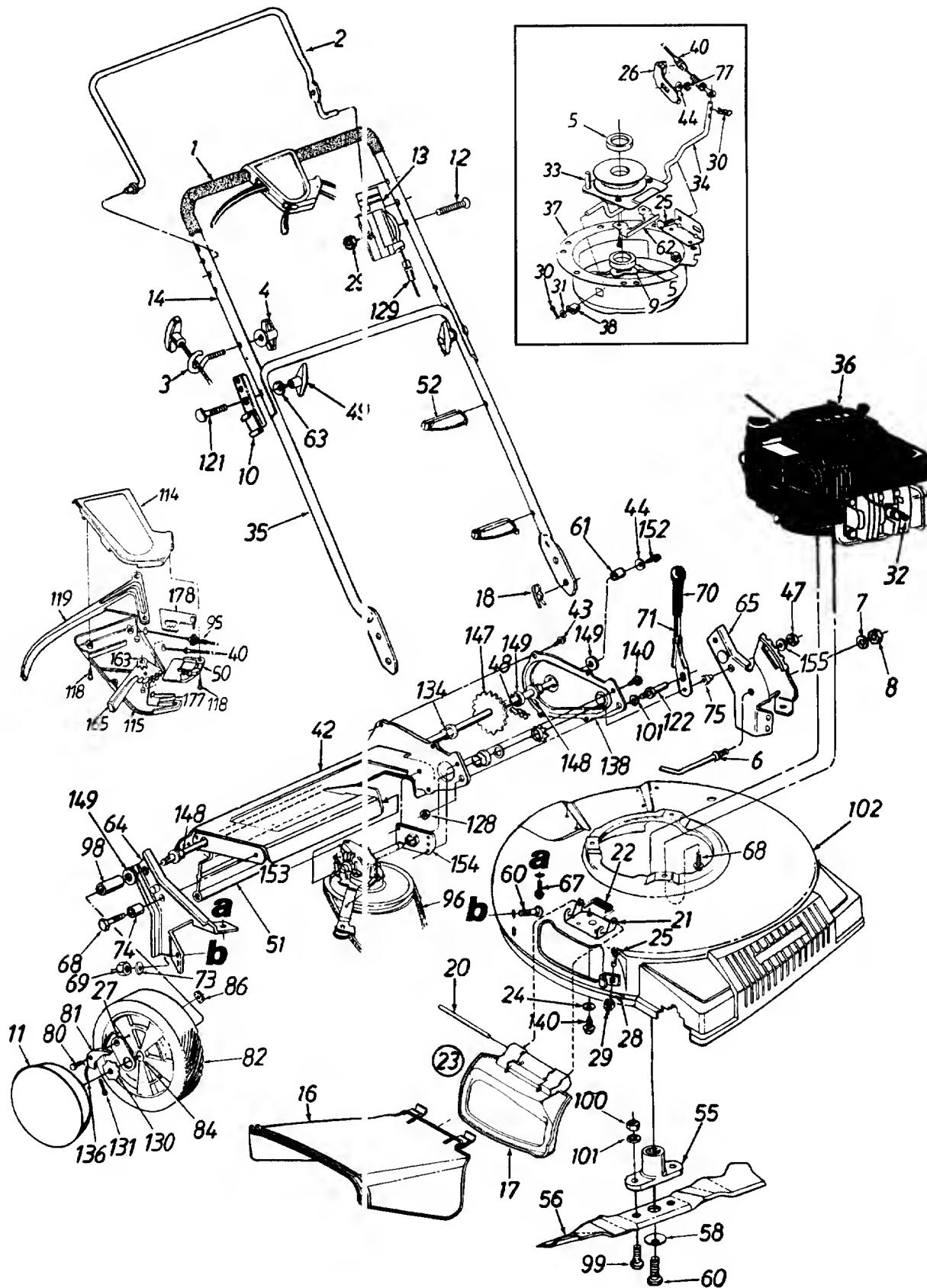
**REPAIR SERVICE**

**1-800-4-REPAIR  
(1-800-473-7247)**

**ORDERING PARTS**

**1-800-FON-PART  
(1-800-366-7278)**

**SEARS CRAFTSMAN 21" MULCHING ROTARY MOWER MODEL NO. 247.376380  
Repair Parts**



**SEARS CRAFTSMAN 21" MULCHING ROTARY MOWER MODEL NO. 247.376380**  
**Repair Parts**

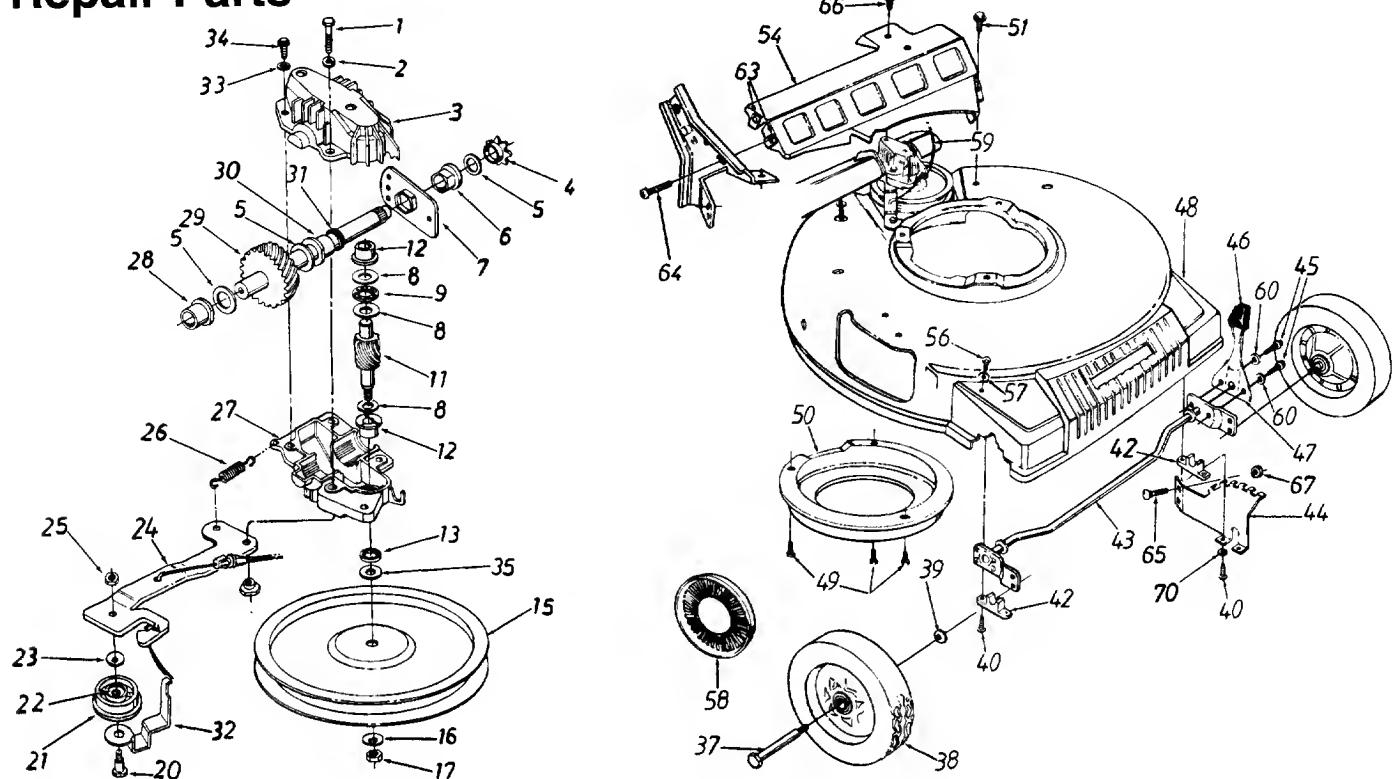
KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	720-0225	Grip (2 Req'd.)	62	782-7563	Bracket—Shift Plate
2	747-0824	Control Handle	63	736-0451	Saddle Washer .32" I.D.
3	710-1205	Rope Guide	64	682-3006A	R.H. Handle Wheel Brkt. Ass'y.
4	712-0279	Wing Nut 1/4-20 Thd.	65	682-3007A	L.H. Handle Wheel Brkt. Ass'y.
5	750-0968	Spacer .885" I.D.	66	710-0260	Carriage Bolt 5/16-18 x .62"*
6	747-0855	Belt Guard	67	710-0603	Hex B-Tap Scr. 5/16-18
7	736-0329	L-Wash. 1/4" I.D.*	68	710-0654A	Hex TT-Tap Scr. 3/8-16
8	712-0287	Hex Nut 1/4-20 Thd.*	69	712-0267	Hex Nut 5/16-18 Thd.*
9	736-0526	Wave Wash. .88" I.D. x 1.38" O.D.	70	720-0230	Grip
10	782-7007	Grass Catcher Bracket	71	732-0725	Height Adj. Lever
11	731-0981A	Hub Cap	73	736-0242	Bell-Wash. 5/16" I.D.
12	710-1270	Oval C-Sunk Mach. Scr.	74	750-0736	Spacer .383" I.D.
13	746-0883	Throttle Body	75	750-0624	Shld. Spacer .5" Dia.
14	749-0539B	Upper Handle	77	712-0291	Hex L-Nut 1/4-20 Thd.
16	731-1409	Side Chute Deflector	79	710-0653	Hex Wash. Hd. Tap Scr. 1/4-20 x .38" Lg.
17	731-1501	Mulch Plug	80	738-0137	Shld. Scr. .342" Dia. x .268
18	714-0104	Internal Cotter Pin 5/16" Dia.	81	748-0381	Pawl—R.H.
20	747-0710	Hinge Pin		748-0188B	Pawl
21	782-7006	Plug Adapter	82	734-1510B	Wheel Ass'y. Comp.—Rear
22	732-0731	Torsion Spring	84	741-0486B	Sleeve Bearing 1/2" I.D.
23	682-7002	Mulch Plug Ass'y. Comp. (Incl. Ref. 17, 20, 21, 22)	86	712-0414	Weld Top L-Nut 1/4-20 Thd.
24	736-0270	Bell-Wash. .265" I.D. x .75" O.D.	95	746-0710A	S.P. Cable
25	710-0167	Carriage Bolt 1/4-20 x .5" Lg.	96	754-0343	"V"-Belt
26	17070	Adjustable Cable Bracket	98	711-0313	Sleeve .526" I.D.
27	16855	Pawl Plate	99	710-1055	Hex Bolt 3/8-24 x 1.0" Lg.
28	782-7009	Chute Stop Bracket	100	712-0241	Hex Nut 3/8-24 Thd.
29	712-0324	Hex L-Nut 1/4-20 Thd.	101	736-0169	L-Wash. 3/8" I.D.
30	714-0507	Cotter Pin 3/32" Dia. x .75"	102	782-0027	21" Deck Ass'y.
31	736-0278	Fl-Wash. .328" I.D. x .68"	114	731-0904	Upper Control Housing
32	735-0639	Spark Plug Insulator	115	731-0905	Lower Control Housing
33	656-0612	Lower Pulley Half Ass'y.	118	710-0841	Fl-C"-Sunk Hd. Tap Scr. #10 x .75" Lg.
34	747-0882A	Shift Rod	119	731-0620	Control Lever
35	749-0928	Lower Handle	121	710-1174	Curved Hd. Bolt 5/16-18 x 2" Lg.
36	143.966000	Engine—Craftsman Model 143.966000	122	711-0805	Shld. Pin 1.43" Lg.
37	682-7514	Housing Ass'y.	128	712-0711	Hex Jam Nut 3/8-24 Thd.*
38	731-1137	Flanged Bushing	129	746-0737	Control Cable—51"
40	746-0706	6-Spd. Cable	130	748-0318	Ratchet Wheel 1.62" O.D.
42	682-7513	Chain—Axe Ass'y.	131	714-0115	Cotter Pin 1/8" Dia. x 1"*
43	710-0653	Hex Hd. Tap Scr. 1/4-20 x .38" Lg.	134	741-0522	Hex Flange Bearing
44	736-0270	Bell-Wash. 1/4" I.D.	136	10622B	Spring—Nylon
45	710-0351	Truss Mach. B-Tap Scr. #10 x .5"	138	682-7506	Chain Cover Ass'y.
47	712-0296	Hex Patch L-Nut 3/8-24 Thd.	140	710-0599	Hex TT-Tap Scr. 1/4-20 x .50"
48	713-0361	#48 Chain .500" Pitch x 38 Links	147	738-0864	Rear Shaft Ass'y. 21.44" Lg.
49	720-0241	Hand Knob	148	741-0324	Hex Flange Brg. .506" I.D.
50	731-0906	Cable Mounting Cap	149	736-0160	Fl-Wash. .531" I.D. x .930"
51	731-1483	Rear Flap 4.8" x 17.5" Lg.	152	710-0751	Hex Bolt 1/4-20 x .62" Lg. (Grade 5)
52	726-0240	Cable Tie	153	717-0417B	Transmission Comp. (See Breakdown)
55	748-0367	Blade Adapter	154	16500A	Hex Bearing Cup
56	742-0721	21" Mulching Blade	155	736-0300	Fl-Wash. .385" I.D. x .87" O.D.
58	736-0452	Bell-Wash. .39" I.D. x 1.14" O.D.	163	713-0397	Gear Insert
60	710-1257	Hex Bolt 3/8-24 x 2.5" Lg.	165	731-0924	6-Spd. Shift Lever
61	748-0190	Spacer .513" I.D.	177	732-0627	Shift Lever Spring
			178	16864	6-Spd. Rack Cable Brkt.
			—	770-0222L	Owner's Manual

\*Common Hardware—May Be Purchased Locally.

**NOTE:** Specifications subject to change without notice or obligation.

# SEARS CRAFTSMAN 21" MULCHING ROTARY MOWER MODEL NO. 247.376380

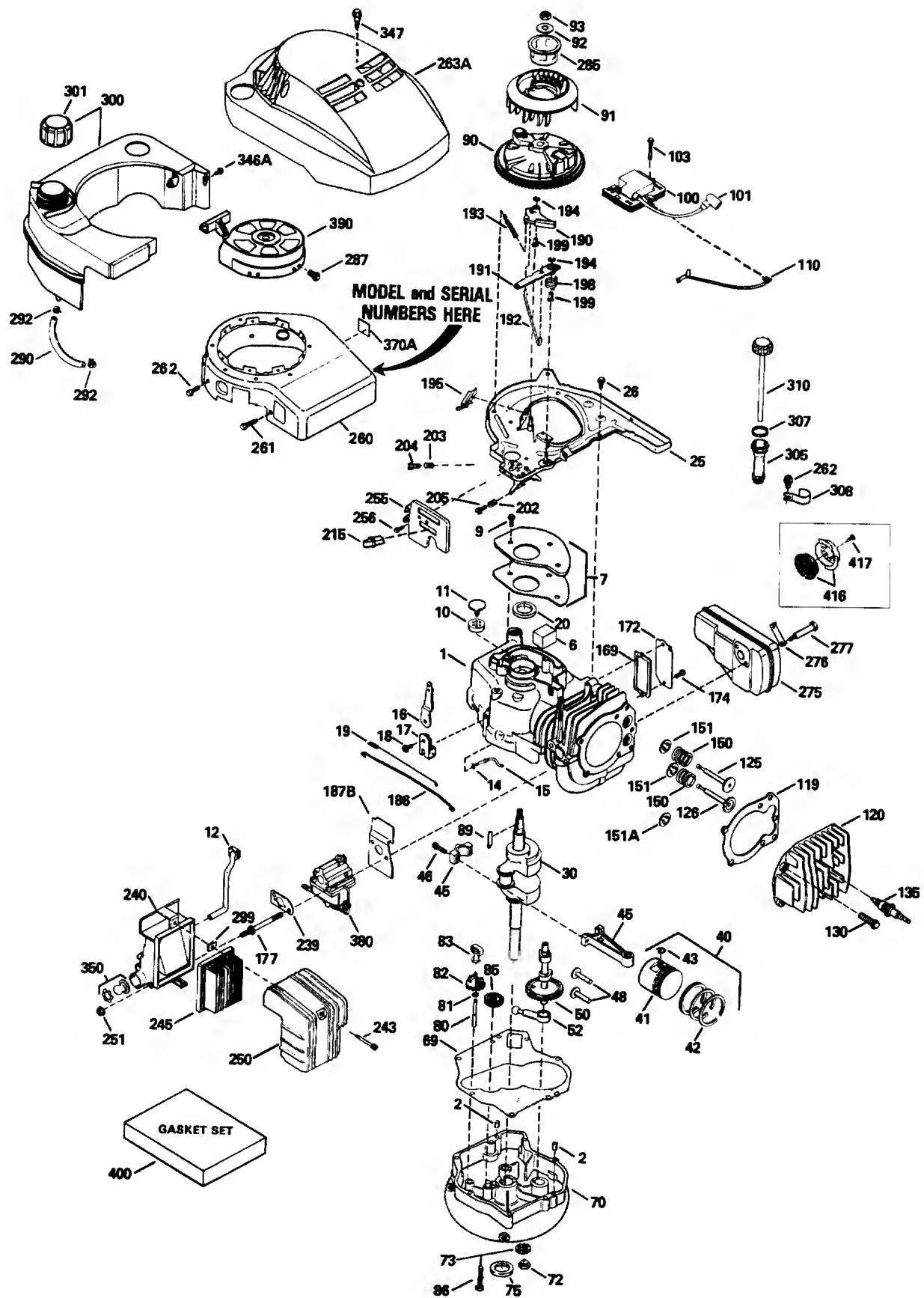
## Repair Parts



KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	710-1062	Hex Patch Bolt 1/4-20 x 1.25"†	32	782-7569	Belt Keeper
2	736-0329	L-Wash. 1/4" I.D.*	33	736-0722	L-Wash. #10 I.D.†
3	717-0418A	Upper Hsg. Halft	34	710-0436	Hex B-Tap Scr. #10 x .62"†
4	713-0400	#48 Sprocket 7 T x 1/2 Pitch†	35	736-0410	Hex Washer .26" x .88"
5	736-0336	Fl-Wash. 5/8" I.D. x .030†	36	717-0417B	Transmission Comp.
6	741-0413	Hex Flange Brg. .631" .D.†	37	738-0102	Front Axle Bolt
7	16500A	Hex Bearing Cupt†	38	734-1512A	Wheel Ass'y. Comp. 8 x 2"
8	736-0314	Thrust Wash. .382" I.D. x .70" O.D.†	39	736-0105	Bell-Wash. .380" I.D. x .88
9	741-0479	Thrust Bearing .375" I. O. x .812" O.D.†	40	710-1241	Hex Wash. Hd. Scr. 1/4 x 1" Lg.
11	717-1216	11 Tooth Pinion Shaft†	42	741-0492A	Block Bushing
12	748-0208A	Flange Bearing†	43	17733	Axle Ass'y.
13	721-0212	Oil Seal†	44	782-0516	Height Adj. Bracket
15	756-0330A	Fl-Pulley 5.06" O.D.	45	710-0653	Hex TT-Tap Scr. 1/4-20 x .38"
16	736-0270	Bell-Wash. .265" I.D. x .75"	46	720-0190	Knob
17	712-0351	Hex L-Nut 1/4-28 L.H. Thd.	47	732-0639	Spring Lever
18	738-0440	Shld. Spacer .375" Dia. x .170	48	731-1281	Plastic Front End
19	736-0344	Fl-Wash. .390" I.D. x 1 0"	49	710-0352	Hex B-Tap Scr. 1/4" x .38"
20	738-0826	Shld. Bolt .375" Dia. x 40"	50	782-7558	Belt Cover
21	656-0008	Fl-Idler Plastic 1.50" D.a. (Incl. Ref. #22)	51	710-0599	Hex Wash. Hd. TT-Scr. 1/4-20
22	741-0556	Needle Brg. .375" x .3"	54	782-7554	Transmission Belt Cover
23	736-0270	Bell-Wash. .265" I.D.	56	710-1242	Torx Truss Hd. Scr. 5/16 x .75"
24	782-7570	Idler Brk't. Ass'y.	57	736-0242	Bell-Wash. .345" I.D. x .88"
25	712-0138	Hex Patch L-Nut 1/4-23 Thd.	58	731-0981A	Hub Cap
26	732-0357	Extension Spring 1.12" Lg.	59	746-0710A	S.P. Cable
27	717-0419A	Lower Hsg. Halft	60	736-0222	External L-Wash. 1/4" I.D.
28	741-0415	Flange Bearing .566 Dia.†	63	712-0147	Speed Nut #10-24 Thd.
29	717-0616	Shaft Ass'y.†	64	710-1003	Hex Tap Scr. #10-16 x .5" Lg.
30	741-0414	Flange Bearing .629 Dia.†	65	710-0167	Carr. Bolt 1/4-20 x .5" Lg.
31	721-0213	Oil Seal .625 Dia.†	66	710-0603	Hex B-Tap Scr. 5/16-18 x .5"
			67	712-3027	Hex Flange L-Nut 1/4-20 Thd.
			70	736-0329	L-Wash. 1/4" I.D.*

†Part of Transmission Complete, Ref. No. 36.

SEARS CRAFTSMAN 5 H.P. ENGINE MODEL NO. 143.966000  
Repair Parts



**SEARS CRAFTSMAN 5 H.P. ENGINE MODEL NO. 143.966000**  
**Repair Parts**

RPM Setting:  
 Low Speed: 2000-2300  
 High Speed: 3100-3400

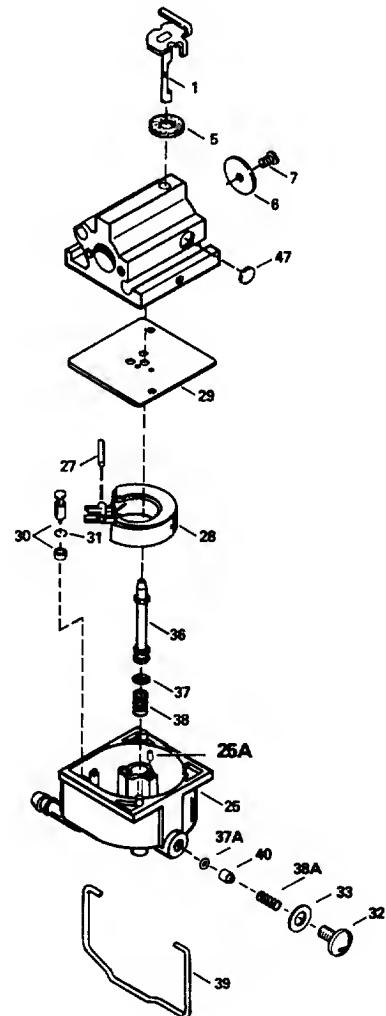
KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	36146	Cylinder (Incl. 2,10, 20 & 125)	125	36472	Exhaust Valve (1/32" OS)
2	27652	Dowel Pin	126	29314B	Intake Valve (Std.) (Incl. 151)
6	36059	Breather Element	126	29315C	Intake Valve (1/32" OS)
7	36005A	Breather Cover & Gasket	130	6021A	Screw, 5/16-18 x 1-1/2"
9	590568	Screw, 10-24 x 3/4"	135	35395	Resistor Spark Plug (RJ19LM)
10	36002	Breather Valve Body	150	31672	Valve Spring
11	36003	Check Valve	151	31673	Lower Valve Spring Cap
12	36001	Breather Tube	151A	40008	Intake Valve Seal
14	28277	Washer	169	27234A	Valve Spring Box Gasket
15	36006	Governor Rod (Machined)	172	32755	Valve Spring Box Cover
16	36008	Governor Lever	174	30200	Screw, 10-24 x 9/16"
17	31335	Governor Lever Clamp	177	650925	Carburetor Mounting Stud
18	650548	Screw, 8-32 x 5/16"	186	36009	Governor Link
19	36082	Governor Spring	187B	36035	Carburetor Gasket/Air Baffle
20	36010	Oil Seal	190	36013	Brake Lever Ass'y.
25	36011	Blower Housing Baffle Incl. 195)	191	36012	Brake Control Lever
26	650802	Screw, 1/4-20 x 5/8"	192	36016	Brake Control Lever Link
30	36109	Crankshaft	193	36015	Brake Spring
40	36073	Piston,Pin,Ring Set (Std.)	194	36014	Retaining Ring
40	36074	Piston,Pin,Ring Set (.0 .0 OS)	195	610973	Terminal Ass'y.
40	36075	Piston,Pin,Ring Set (.0 .0 OS)	198	36017	Brake Control Lever Spring
41	36070	Piston & Pin Ass'y. (Std.) (Incl. 43)	199	36018	Brake Lever Bushing
41	36071	Piston & Pin Ass'y. (.0 .0 OS) (Incl. 43)	202	36482	Compression Spring
41	36072	Piston & Pin Ass'y. (.0 .0 OS) (Incl. 43)	203	36482	Compression Spring
41	36072	Piston & Pin Ass'y. (.0 .0 OS) (Incl. 43)	204	650549	Screw, 5-40 x 7/16"
42	36076	Ring Set (Std.)	205	650777	Screw, 6-32 x 21/32"
42	36077	Ring Set (.010 OS)	206	36051	Control Knob
42	36078	Ring Set (.020 OS)	207	36048	Carburetor to Air Cleaner Gasket
43	20381	Piston Pin Retaining Ring	239	36048	Air Cleaner Body (Incl. 239, 299 & 350)
45	36023A	Connecting Rod Ass'y. (Incl. 46)	245	36046	Screw, 10-32 x 2-3/32"
46	32610A	Connecting Rod Bolt	250	36047	Air Cleaner Filter
48	36030	Valve Lifter	251	650928	Air Cleaner Cover
50	36031	Camshaft (MCR)	255	36110	Lock Nut 1/4-20
52	29914	Oil Pump Ass'y.	256	650983	Control Plate
69	36032A	Mounting Flange Gasket	260	36153	Screw, 8-32 x 21/64"
70	36151	Mounting Flange (Incl. 72 thru 85)	261	650737	Blower Housing
72	30572	Oil Drain Plug	262	650929	Screw, 1/4-20 x 1/2"
73	28833	Drain Plug Gasket	263A	36156	Screw, 1/4-20 x 11/16"
75	36010	Oil Seal	275	36107	Starter Grill
80	30574A	Governor Shaft	276	36043	Muffler
81	30590A	Washer	277	650927	Locking Plate
82	30591	Governor Gear Ass'y. Incl. 81)	285	34449A	Screw, 5/6-18 x 2-11/32"
83	36057	Governor Spool	287	650926	Starter Cup
85	36034	Idler Gear	290	34357	Screw, 8-32 x 21/64"
86	650924	Screw, 1/4-20 x 1-9/16'	292	26460	Fuel Line
89	611154	Flywheel Key	299	650900	Fuel Line Clamp
90	611155	Flywheel	300	36066	"U" Type Nut Clip
91	611156	Flywheel Fan	301	35355	Fuel Tank (Incl. 301)
92	650815	Belleville Washer	305	36063	Fuel Cap
93	650816	Flywheel Nut	307	35499	"O" Ring
100	34443A	Solid State Ignition	308	36040	Fill Tube Clip
101	610118	Spark Plug Cover	310	36147	Dipstick
103	651007	Screw, Torx T-15, 10-.4 x 15/16"	346A	28763	Screw, 10-32 x 35/64"
110	36054	Ground Wire	347	650898A	Screw, 10-32 x 27/64"
119	36119	Cylinder Head Gasket	350	36045	Primer
120	36120	Cylinder Head	370A	36261	Lubrication Decal
125	36471	Exhaust Valve (Std.) (Incl. 151)	380	632671	Carburetor (Incl. 187B & 239)

**SEARS CRAFTSMAN 5 H.P. ENGINE MODEL NO. 143.966000**  
**Repair Parts**

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
390	590702 (NOTE: This engine could have been built with 590739 starter. Refer to the design of the rope pulley strength ribs for part identification. Individual starter parts do not interchange.)	Rewind Starter	416	36085	Spark Arrestor Kit (Incl. 417) (Optional)
400	36121A	Gasket Set (Incl. Items Marked PK in Notes) Incl. part #'s 27234A (1), 36005A (1), 36032A (1), 36035 (1), 36048 (1), 36119 (1)	417	650760	Screw, 8-32 x 3/8" (Optional)

**PARTS LIST FOR CARBURETOR**

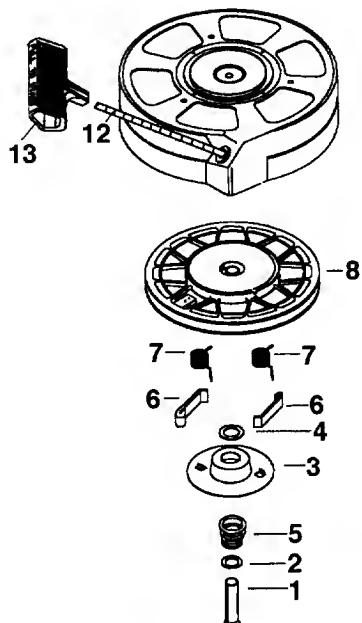
KEY NO.	PART NO.	DESCRIPTION
—	632671	Carburetor (Incl. 187B & 239 of Engine Parts List)
1	632539	Throttle Shaft & Lever Assembly
5	632593	Dust Seal
6	632541	Throttle Shutter
7	650506	Throttle Shutter Screw
25	632675	Float Bowl
25A	632701	Idle Restrictor
27	632544	Float Shaft
28	632543	Float
29	632548	Float Bowl to Body Gasket
30	632551	Inlet Needle, Seat & Seat Retainer (Incl. 31)
31	632637	Seat Retainer
32	632672	Bowl Drain Screw
33	632673	Bowl Drain Washer
36	632674	Main Nozzle Tube
37	632547	"O" Ring, Main Nozzle Tube
37A	632547	"O" Ring
38	632545	Spring, Main Nozzle Tube
38A	632545	Spring
39	632549	Float Bowl Retainer
40	632676	Main Fuel Jet
47	632554	Welch Plug, Idle Mixing Well



**SEARS CRAFTSMAN 5 H.P. ENGINE MODEL NO. 143.966000**  
**Repair Parts**

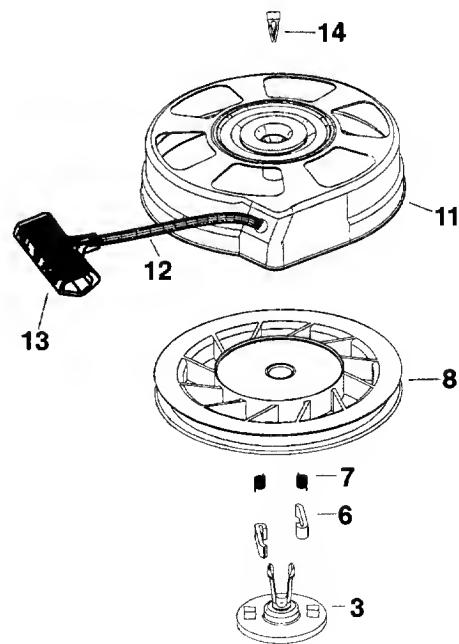
**PARTS LIST FOR REWIND STARTER**

KEY NO.	PART NO.	DESCRIPTION
—	590702	Rewind Starter
1	590599A	Spring Pin (Incl. 4)
2	590600	Washer
3	590696	Retainer
4	590601	Washer
5	590697	Brake Spring
6	590698	Starter Dog
7	590699	Dog Spring
8	590700	Pulley & Rewind Spring Ass'y.
11	590703	Starter Housing Ass'y. (40 degree grommet)
12	590535	Starter Rope (98" x 9/64" Dia.)
13	590701	Starter Handle

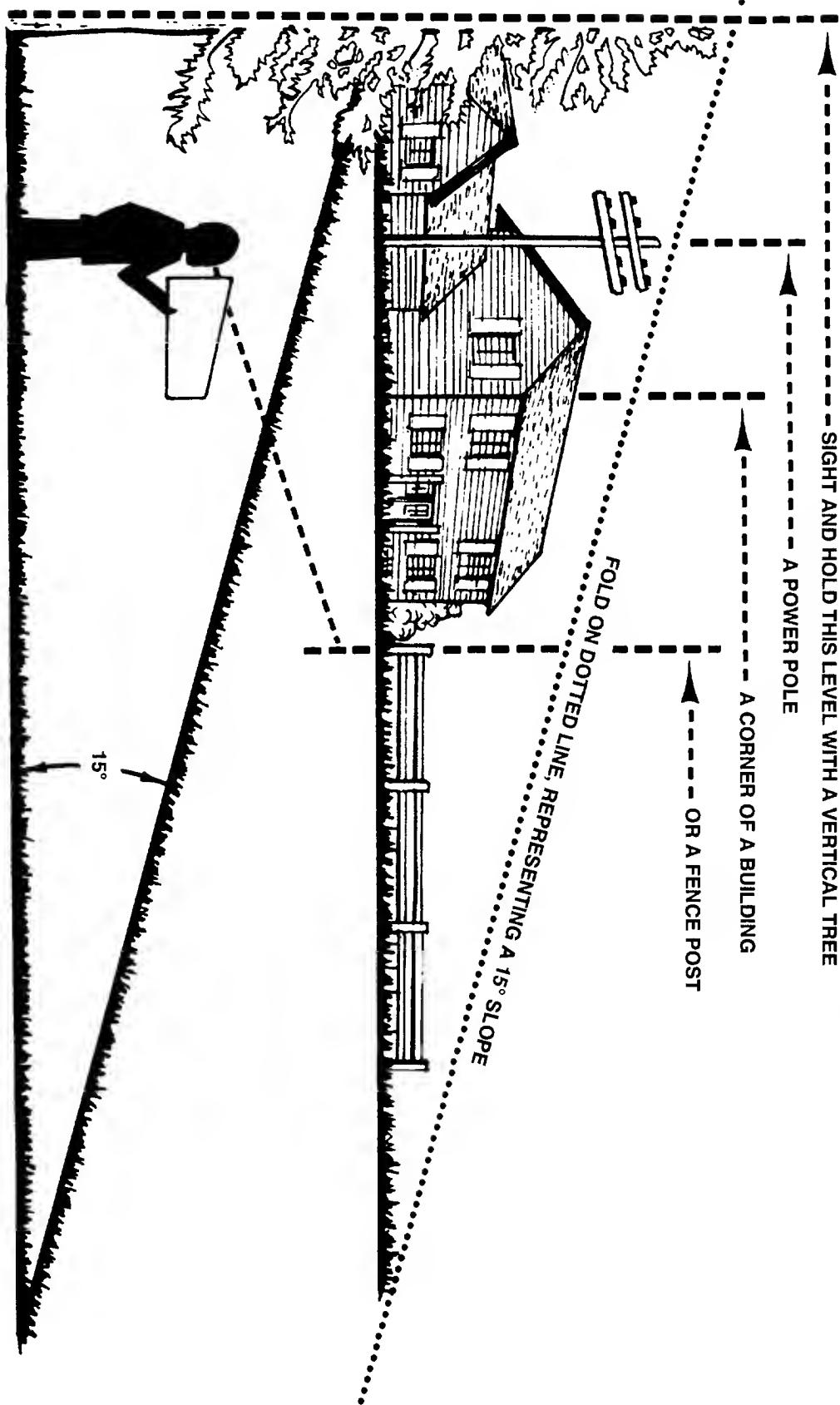


**PARTS LIST FOR REWIND STARTER**

KEY NO.	PART NO.	DESCRIPTION
—	590739	Rewind Starter
3	590740	Retainer
6	590616	Starter Dog
7	590617	Dog Spring
8	590618A	Pulley & Rewind Spring Ass'y
11	590638	Starter Housing Ass'y (40 degree grommet)
12	590535	Starter Rope (Length 9 3/4" x 9/64" Dia.)
13	590701	Starter Handle
14	590741	Locking Tab



USE THIS PAGE AS A GUIDE TO DETERMINE SLOPES WHERE YOU MAY NOT OPERATE SAFELY.



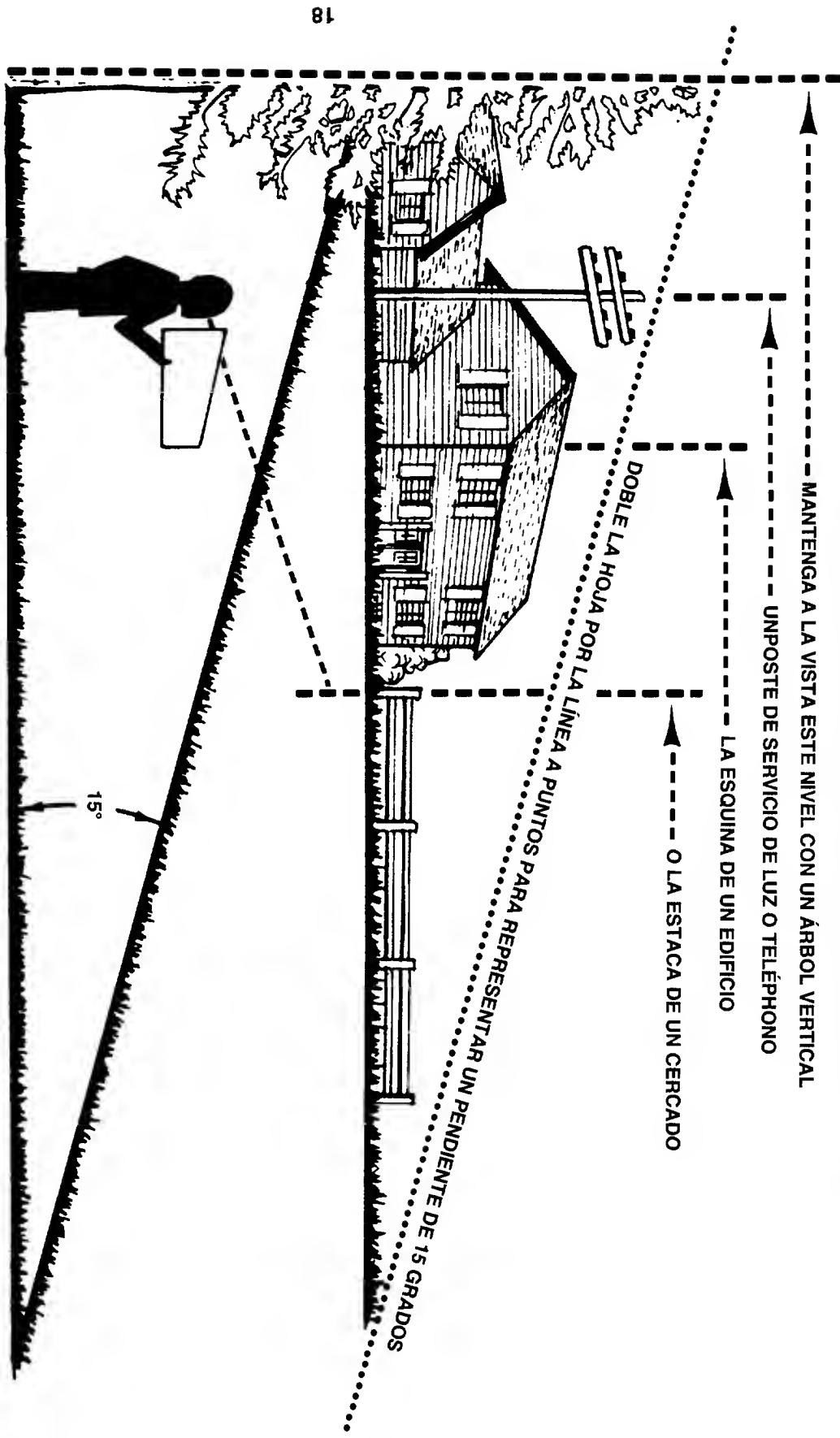
Do not mow on inclines with a slope in excess of 15 degrees (a rise of approximately 2-1/2 feet every 10 feet). A riding mower could overturn and cause serious injury. If operating a walk-behind mower on such a slope, it is extremely difficult to maintain your footing and you could slip, resulting in serious injury.

Operate RIDING mowers up and down slopes, never across the face of slopes.

Operate WALK-BEHIND mowers across the face of slopes, never up and down slopes.



## USE ESTA PÁGINA COMO GUÍA PARA DETERMINAR LOS PENDIENTES EN DONDE NO SE PUEDE OPERAR EL CORTACÉSPED CON SEGURIDAD.



ATENCIÓN!

No opere la máquina en terrenos con pendiente en exceso de 15 grados (una elevación de 2-1/2 pies a cada 10 pies de distancia). Un cortacésped de montar se puede volcar, resultando en lesiones serias para el operador. Si empuja un cortacésped de operación manual en tal terreno, es muy difícil evitar resbalones que también pueden resultar en lesiones serias. Los cortacésped de montar se deben manejar para arriba y para abajo de los terrenos con pendiente. Nunca se deben manejar lateralmente. Los cortacésped de operación manual se deben manejar lateralmente en terrenos con pendiente. Nunca se deben manejar para arriba o para abajo.

## MEDIDOR DE PENDIENTES

NOTA: Para reparaciones aparte de estos pedidos ajustes, pongase en contacto con su Centro de Servicio Sears más cercano.

PROBLEMA	CAUSA(S) POSIBLE(S)	ACCION CORRECTIVA
El motor no arranca	<ul style="list-style-type: none"> <li>• Palanca de control de cuchilla desacoplada</li> <li>• Cables de la bujía desconectado</li> <li>• Acople la palanca de control.</li> </ul>	<ul style="list-style-type: none"> <li>• Conecte el cable de la bujía a la bujía.</li> <li>• Muévala la palanca de control a la bujía.</li> <li>• Palanca de control del regulador no está en posición de arranque.</li> <li>• Tanque de combustible vacío o posicón de arranque.</li> <li>• Mangüera de combustible y limpia.</li> <li>• Llene el tanque con gasolina fresca y limpia.</li> <li>• Mangüera de combustible bloquedada o combustible rancho en la posición de arranque.</li> <li>• Cables de la bujía sueltos</li> <li>• Conecte y apriete el cable de la bujía.</li> </ul>
El motor funciona de manera irregular	<ul style="list-style-type: none"> <li>• Bujía desacoplada</li> <li>• Motor ahogado</li> <li>• Aranhude el motor con el regulador en la posición FAST (Rápido).</li> </ul>	<ul style="list-style-type: none"> <li>• Limpie la bujía o cambie la bujía.</li> <li>• Llene el tanque de combustible y limpia.</li> <li>• Mangüera de combustible y limpia.</li> <li>• Limpie la mangüera de combustible y limpia.</li> <li>• Vacié el tanque y vuélvalo a llenar obstruido combustible.</li> <li>• Agua o polvo en el sistema de combustible.</li> <li>• Vacié el tanque y vuélvalo a llenar con combustible limpia.</li> <li>• Limpiar el regulador de aire suelo.</li> <li>• Bujía suelta, defectuosa o espaciada la bujía.</li> <li>• Nivel de aceite bajo</li> </ul>
El motor se recalienta	<ul style="list-style-type: none"> <li>• Filtros de aire restringidos</li> <li>• Llene el motor con aceite adecuado.</li> </ul>	<ul style="list-style-type: none"> <li>• Nivel de aceite bajo</li> <li>• Llene el espacio a .030" o reemplazar.</li> </ul>
El motor falla de vez en cuando (vacila) a alta velocidad	<ul style="list-style-type: none"> <li>• Espacio de la bujía demasiado cerrado</li> <li>• Ajuste el espacio a .030" .</li> </ul>	<ul style="list-style-type: none"> <li>• Bujía suelta, defectuosa o espacio la bujía.</li> <li>• Filtros de aire restringidos</li> <li>• Llene el motor con aceite adecuado.</li> </ul>
Motor no marcha bien en vacío (vacila)	<ul style="list-style-type: none"> <li>• Filtros de aire restringidos</li> <li>• Llene el espacio a .030" o reemplazar.</li> </ul>	<ul style="list-style-type: none"> <li>• Bujía suelta, defectuosa o espacio la bujía.</li> <li>• Filtros de aire restringidos</li> <li>• Limpie el depurador de aire suelo la bujía.</li> <li>• Bujía suelta, defectuosa o espacio la bujía.</li> <li>• Filtros de aire restringidos</li> <li>• Llene el espacio a .030" o reemplazar.</li> </ul>
Vibración excesiva	<ul style="list-style-type: none"> <li>• Cuchilla suelta o desequilibrada</li> <li>• Apriete la cuchilla y el adaptador.</li> </ul>	<ul style="list-style-type: none"> <li>• Cuchilla doblada</li> <li>• Equilibre la cuchilla.</li> <li>• Lame a su Centro de Servicio Sears.</li> </ul>
El cortacésped no tritura el césped	<ul style="list-style-type: none"> <li>• Velocidad del motor demasiada</li> <li>• Muévala la palanca del regulador a la posición FAST.</li> <li>• No corta césped el césped es seco.</li> <li>• Corta una vez con cuchilla a la altura más alta y luego corta a la altura deseada o repita cada pasada dos veces. No corta más de 1/3 parte de la longitud total del césped en cada corte.</li> <li>• Corta el césped incorrectamente alto.</li> </ul>	<ul style="list-style-type: none"> <li>• Cuchilla sin filo</li> <li>• Coloque las cuchillas a la misma altura.</li> <li>• Afile o cambie la cuchilla.</li> <li>• Cuchilla sin filo</li> <li>• Afile o reemplazar la cuchilla.</li> </ul>
Corta el césped de manera desigual	<ul style="list-style-type: none"> <li>• Ruedas en posición incorrecta</li> <li>• Coloque las cuchillas a la misma altura.</li> <li>• Afile o cambie la cuchilla.</li> </ul>	<ul style="list-style-type: none"> <li>• Cuchilla sin filo</li> <li>• Afile o cambie la cuchilla.</li> <li>• Cuchilla sin filo</li> <li>• Afile o reemplazar la cuchilla.</li> </ul>
El cortacésped desembaga	<ul style="list-style-type: none"> <li>• Se necesita ajustar el control del embrague de mano</li> <li>• Ajuste el control. Vea la sección "Mantenimiento y Ajuste" de este manual.</li> </ul>	<ul style="list-style-type: none"> <li>• Se necesita ajustar el control del embrague de mano</li> <li>• Ajuste el control. Vea la sección "Mantenimiento y Ajuste" de este manual.</li> </ul>
Motor no propulsado	<ul style="list-style-type: none"> <li>• Cesped mojado</li> <li>• Corta cuando el césped es húmedo.</li> </ul>	<ul style="list-style-type: none"> <li>• Cesped mojado</li> <li>• Corta cuando el césped es húmedo.</li> </ul>

## GUÍA PARA RESOLUCIÓN DE PROBLEMAS

# COMO ORDENAR PIZZAS DE REPUESTO

FIGURA 18.

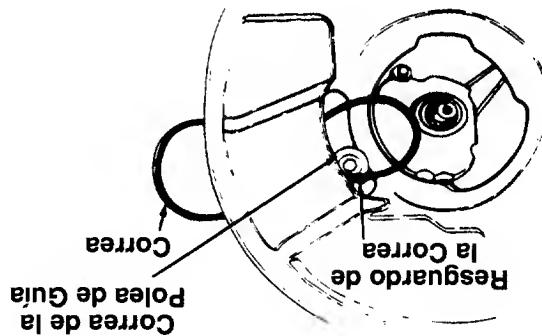
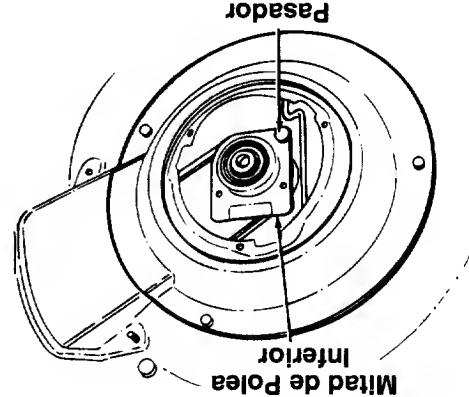


FIGURA 17.



- Quite la correa de la polea de transmisión.
- Ensamble la correa nueva de la siguiente manera.
- Empuje la polea de la figura 18.
- Deslice la correa de la parte trasera de la plataforma y colóquela alrededor de la polea de transmisión.
- Sujete la polea de la manera que ciga a su posición. Deslice la correa entre la correa de la guía y el resguardo de la correa en el soporte de la polea de guía.
- Engrase el cigüeñal. Coloque la correa entre las dos mitades de polea y vuélva a ensamblar el adaptador de la cuchilla y la cuchilla. Vuélva a montar la tapa de la correa interior.
- Vuélva a montar la tapa de la correa de transmisión.

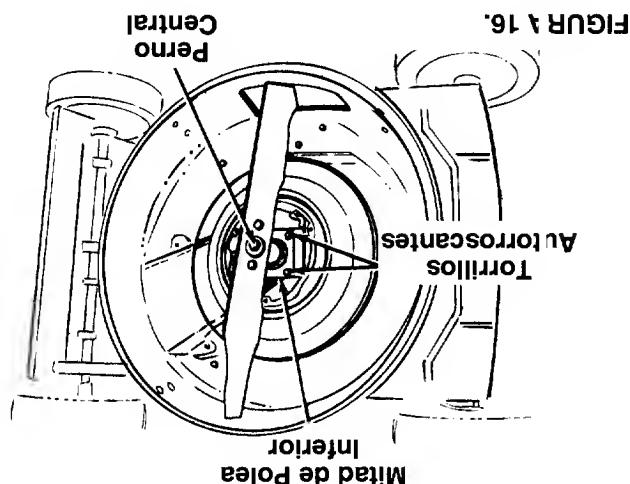
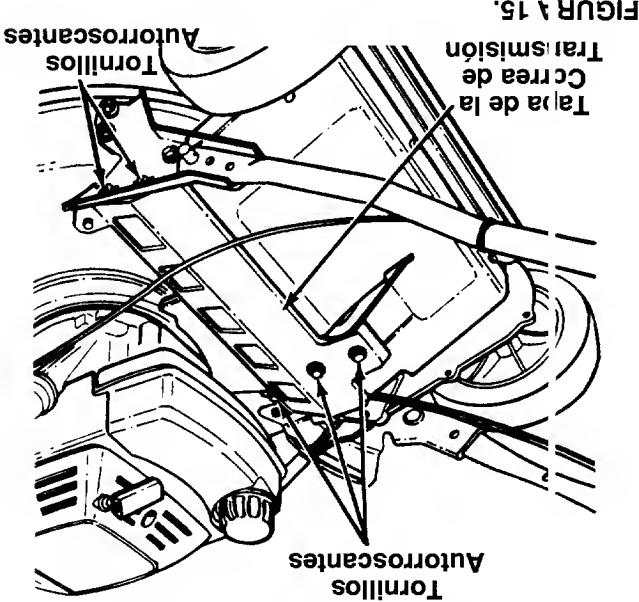


FIGURE A 16.

- **Vuelo que el cortacésped al lado. Bloquee bien.**
- **Quíte el perno central que fija la cuchilla al cigüíñal. Vea la figura 16. Remueva la cuchilla y el acoplador de cuchilla.**



### FIGURE A 15.

- Vacíe el tanque de combustible o coloque un pedazo de plástico debajo del tapón para prevenir que se rebose.
- Quite la tapa de la correa de transmisión quitando los cinco tornillos. Vea figura 15.

## REMOCIÓN Y REEMPLAZO DE LA CORREA

El resguardado trasero que se encuentra entre las ruedas traseras de su carrocería se programó para minimizar la posibilidad de que objetos salvaguardados por detrás de la máquina hagan el operador.

Si el resguardado se daña, se debe reemplazar.

## RESGUARDO TRASERO

## VELOCIDAD DEL MOTOR

Su carburador ha sido completamente ajustado en la fábrica. Si su motor no funciona adecuadamente debido a problemas con el sistema, lleve su coche al Centro Autorizado Sears para ser reparado y ajustado.

**CARBURADOR**

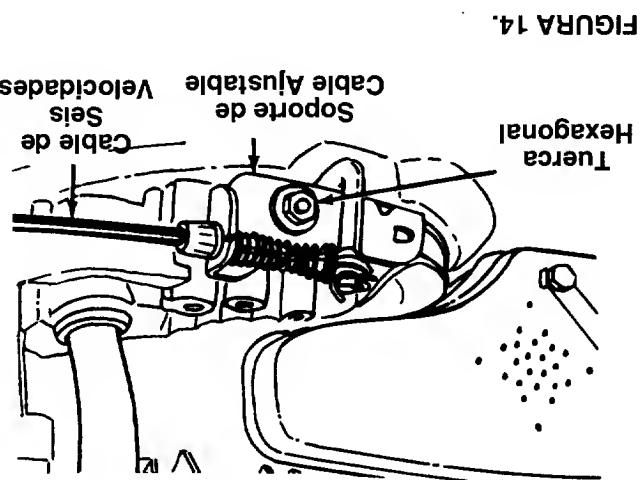


FIGURA 14.

## MANTENIMIENTO Y AJUSTES

## AJUSTE DEL CAMBIO DE VELOCIDADES

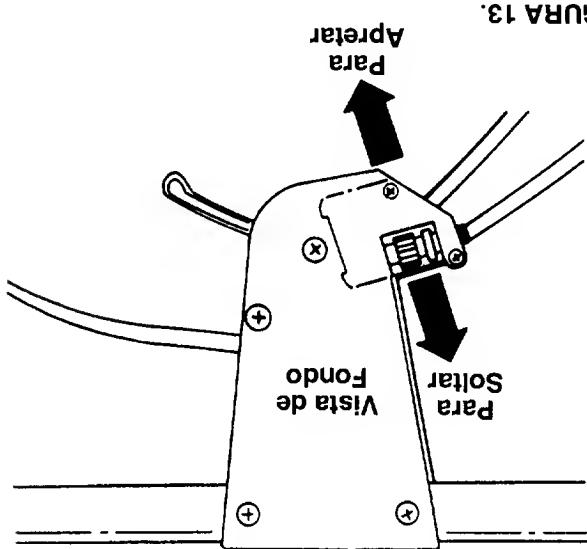


FIGURA 13.

## AJUSTE DE LA ALTURA DEL MANGO

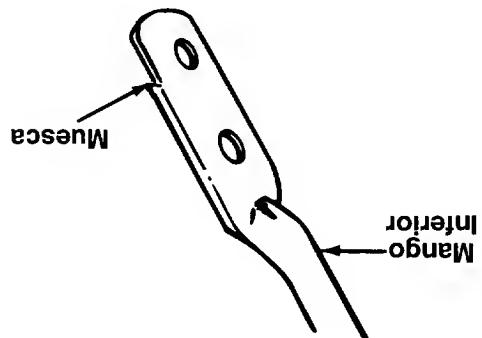
## A DE CORTE

Vea en la sección de operación del manual "AJUSTE LA ALTURA DE CORTE".

La Unidad se encuadró en la posición más alta. Para ajustar la altura, procedía de la siguiente manera:

## AJUSTE EMBRAGUE DE MANDO

FIGURA 12.



- Suelte la tuerca que fija el soporte del cable ajustable que se encuentra en el lado izquierdo del motor. Vea la figura 14.
- Coloque la palanca de cambio en la posición de alta velocidad (6).
- Mueva el soporte para asegurarse de que este parte trasera de la unidad, de manera que las mitades de la polea (debajo de la plataforma) estén una contra la otra. Asegúrese de que la correa no interfiera.
- Ajuste la palanca de cambio a la posición de palanca de cambios. Se necesita hacer el ajuste si la palanca de cambios no se puede mover a las seis posiciones.
- Suelte la tuerca que fija el soporte del cable ajustable que se encuentra en el lado derecho del motor. Vea la figura 14.
- Coloque la palanca de cambio en la posición de alta velocidad (6).
- Mueva el soporte para asegurarse de que este parte trasera de la unidad, de manera que las mitades de la polea (debajo de la plataforma) estén una contra la otra. Asegúrese de que la correa no interfiera.
- Apriete la tuerca para fijar el soporte en esta posición.

A DE CORTE

Vea en la sección de operación del manual "AJUSTE LA ALTURA DE CORTE".

## ALMACENAMIENTO

**NOTA:** Si almacena en un galpón de almacénamiento aéreo contra la oxidación recubriendolo con un aceite líquido o de metal, asegúrese de protegerlo no ventilado o de metal.

- No se maccene gasolina de una temprada para otra.
- Reeemplazar su lata de gasolina si su lata comienza a oxidarse. Oxido y/o suciedad en su gasolina a oxidarse.
- Reemplazar su lata de gasolina si su lata comienza a causar problemas.
- Almacenar la unidad en un área limpia, seca. No almacene cerca de materiales corrosivos tales como: fertilizantes.

OTROS

• Protaja el interior del motor como sigue si ha drenado el tanque de combustible. Quite la bujía, vierte  $\frac{1}{2}$  onza aproximadamente (una cucharada de té) proximadamente del centro del cilindro y cigüeñal para detener la aceleración (vea la figura 1). Una vez que el motor se detenga, quite la bujía y redistribuya el aceite. Vuelva a colocar la bujía.

**NOTA:** Un estabilizador de combustible es una alter-  
nativa aceptable para minimizar la formación de  
depósitos de goma durante el almacenamiento.  
Agregue estabilizadores a la gasolina en el tanque de  
combustible o en el contenedor de almacenamiento.  
Si gasea siempre la proporción de mezcla indicada en el  
contenedor del estabilizador. Haga funcionar el motor  
por 10 minutos por lo menos después de agregar el  
estabilizador. Si usa el estabilizador ilegal  
carburador. Si usa el estabilizador de combustible no  
drene el tanque de gas y el carburador.

● Drene todo el aceite del carter (estilo debiera ha-  
cerse después que el motor ha funcionado y esta  
toda (a la叫iente) y llene nuevamente el carter con  
aceite fresco.

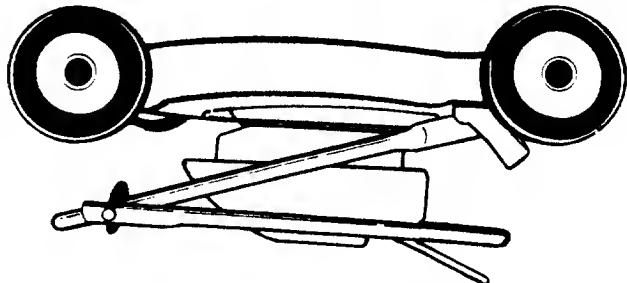
- **Dielos** es la que de combustible. El resultado es que se pierde la eficiencia del motor.
- **Y deje lo funcional hasta vaciar las líneas de combustible y del carburador.**
- **Nunca use productos limpiadores de motor o combustible y del carburador.**
- **Carbúrator en el tanque de combustible ya que puede ocurrir un daño permanente. La proximidad de la red de combustible es la que provoca la explosión.**
- **Temporada de uso combustible fresco.**

• TRAS E STA EN ALMACENAMIENTO. • Desea el traeña de combustible Encienda el motor.

**MOTOR**

- Para colocar el mangó en la posición de operación, vea la sección “Ensamblaje” en la página 6 de este manual.

FIGURA 11.



ENREDAR LOS CABLES.

IMPORTANTE: AL DOBLAR EL MANGO PARA ALMAGRENAR O TRANSPORTAR EL CORTECSESPED, TENGA MUCHO CUIDADO DE NO DOBLAR O

MANO

- Limpie la superficie inferior del bastidor del carro.
- Tacesped (Vea "LIMPIEZA". En la sección "Responsabilidades del Propietario" de este manual).
- Inspección y reemplazo de la cuchilla, si es necesario (Vea "CUIDADO DE LA CUCHILLA". Si es necesario, "Reemplazo de la cuchilla, si es la sección "Responsabilidades del Propietario" de este manual).
- Lubrique tal como se demuestra en la sección "Responsabilidades del Propietario", de este manual.

### CORTACESPED

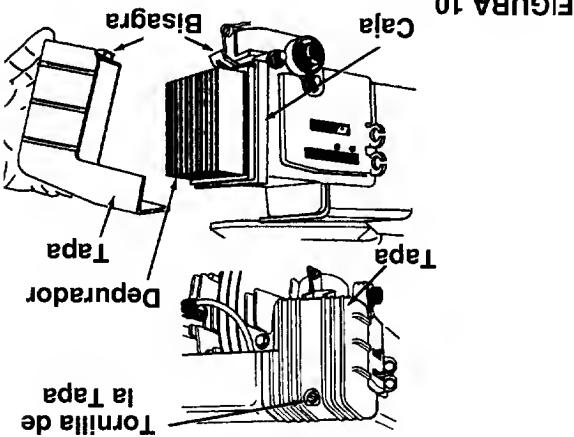
**NOTA:** Una buena manera de asegurar que su correo acceso speed proveerá un rendimiento máximo la mejor forma de probarlo es una revisación anual en su centro de servicio.

ADVERTENCIA: NUNCA ALMAGRENE LA  
MAGUINA CON COMBUSTIBLE EN EL  
TANQUE DE COMBUSTIBLE DENTRO DE UN  
EDIFICIO DONDE LOS VAPORES PUEDEN  
ALCANZAR A UNA LLAMA O CHISPA, O  
DONDE ESTEN PRESENTES Fuentes DE  
ENCENDIDO TALES COMO CALENTADORES  
DE AGUA CALIENTE Y ESPACIO, HORNS,  
SECADORES DE ROPA, COCINAS,  
MOTORES ELECTRICOS, ETC.

repara su conducto para amarre la amarradura al trineo de la temprana o si no se usará la unión por 30 o más días.

# RESPONSABILIDADES DEL PROPIETARIO

IMPRESA  
ADVERTENCIA: DESCONECTE EL  
CABLE DE BUJIA DE LA BUJIA Y ALEJE  
LO PARA QUE NO ENTRÉ EN CONTACTO.  
TO CON ESTA.



- Limpie por dentro y la tapa con un trapo limpio para quitar cualquier acumulación.
- Coloque un filtro nuevo en la caja.
- Instale la tapa a la caja alineando la bisagra entre la caja y la tapa. Gire la tapa hacia arriba. Apriete bien el tornillo.

## MOTOR LUBRICACION DEL MOTOR

● Para revisar el equilibrio de la cuchilla, clave un clavo en una viga o pared. Deje aproxiadamente una pulgada del clavo expuesto. Coloque el agujero central de la cuchilla sobre la cabeza del clavo. Si la cuchilla esta equilibrada sobre la cabeza del clavo, la cuchilla esta en la posición horizontal. Si la cuchilla permanece en la posición horizontal, debe permanecer en la posición horizontal. Si la cuchilla se inclina hacia abajo, la cuchilla no esta equilibrada. Afloje el lado grueso hasta que la cuchilla se equilibre.

primeras dos horas de uso y despues de cada 25 horas de operacion. CAMBIE EL ACEITE MAS A MENUDO SI SE USA EN CONDICIONES POLVORIENTAS O AREOSAS.

**DEPURADOR DE AIRE**  
Separación de la dulzura: (30) Puigada.  
**DEPURADOR DE AIRE**  
Su motor no funcionará adecuadamente y se pude  
dahar si se usa un depurador sucio.  
Reemplazar el depurador de aire cada año, o más a  
menudo si usted corta el césped bajo condiciones  
desasfadadas polvoríntas o sucias. No lave el depu-  
rador.

- Quite la tapa de la caja aflojando el tornillo (no quite el tornillo de la cubierta). Gire la tapa hacia abajo para quitar la bisagra.

PARA CAMBIAR EL DEPURADOR DE AIRE

radar.

Si motor no tunicionara adecuadamente y se padece difteria si se usa un depurador súco. Reemplazar si el depurador de aire cada año, o más a menudo si usted corta el césped bajo condiciones demasiado polvorintas o sucias. No lave el depurador si se usa un depurador súco.

DEPURADOR DE AIRE

**BUJIA** Cambie su bujía cada año para que su motor arranque más fácilmente y funcione mejor. Fíjese la separación de la bujía a .030 pulgada.

La acción. Apriete bien el tapón.

- **tenedor adecuado.** Vuelva a llenar el cigüeñal con aceite. Vea la sección "RECOMENDACIONES DE ACEITE DE MOTOR", en la página anterior.
- **Vuelva a colgar el tapón y la varilla de compresión.**

burardor hacia arriba y vacíe el aceite en el recipiente.

- Desconocerte el caribe de la Guajira y alrededor de este la.
- Vacíe el tanque de combustible.
- Quite la tapa del tanque y la varilla de compresión.
- Quite y vuélvala la unidad al lado con el carburador.

## RESPONSABILIDADES DEL PROPETARIO

Use un bloqueo de madera entre la cuchilla y la placa orma del cortacésped para evitar que la cuchilla gire al quitar el perno. Proteja sus manos con guantes y/o envuelva la cuchilla en una manta

- **PARA FEMPLAZAR LA CUCHILLA (Vea figura 9):** Ponga el adaptador de la cuchilla en el clip que ha ensamblado y llevo la arandela de onda. Al volver a apretar el tornillo de la tapa de la funda, la cuchilla quedará fija.

- Coloque la cuchilla en el adaptador. Asegúrese de que el borde de salida de la cuchilla se dirija hacia del otro.

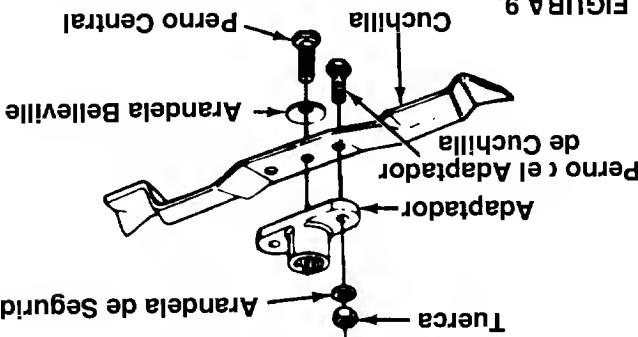
Colo que los pernos, arandelas y tuercas en el misit o orden en que las quito.

IMPOR TANTE: EL PERNO UTILIZADO PARA FIJAR LA CUCHILLA AL MOTOR ES ESPECIALMENTE TRATADO CON CALOR. NO LO SUSTITUYA (VEA SECCIÓN DE REPUESTOS).

to de torsión para los pernos del adaptador de la cuchilla es de 200-350 pliegadas/libras. Las llaves de tracción son disponibles en la mayoría de los centros Sears y a través del catálogo.

• PRECAUCIÓN. UNA CUCHILLA SECA  
•

REEMPLAZA SOLAMENTE CON UNA CUCHILLA AUTORIZADA  
PUEDE SER PELIGROSA Y PUEDE DIFERIR  
DE LA CUCHILLA SELLADA  
PUEDE SER PELIGROSA Y PUEDE DIFERIR  
DE LA CUCHILLA SELLADA  
CULTAR EL ARRANQUE DEL MOTOR.  
REEMPLAZA SOLAMENTE CON UNA CUCHILLA AUTORIZADA  
SEARS FARA OBTENER LOS MEJORES RESULTADOS.



Se juega en una loma o en una rueda de amcar. No trate de afilarla mientras este en el cortacésped. Se debe tener cuidado para mantener la cuchilla equilibrada. Una cuchilla desequilibrada causará daños a la rueda. Una vibración al funcionar y eventualmente dañaría el cortacésped y el motor.

**OTA:** No recomendamos affilar la cuchilla - pero si lo hace, es seguramente que la cuchilla este equilibrada.

- **PARA QUITAR LA CUCHILLA (Vea figura 9):** Quite el cortacésped de lado. Asegúrese de que el depurador de aire y el carburador estén libres de suciedad.

## CORTACÉSPED

Su contracésped funcionalará mejor con la cuchilla filosa.

La transmisión es librecada previamente y sellada en la fabrica. No es necesario revisarla. Si se desmonta por cualquier razón, tiene con dos onzas de grasa Alvinata, número de la pieza 737-0168.

**SOPORTÉ PARA EL RESORTE DEL FRENO** Roçaje un lubrificante de aceite ligero en el soporte, lo que lo mantiene limpio y evita que se atasque. Colocar el resorte en la guía y apretar la tuerca de fijación. Colocar la rueda y girarla para comprobar que gira libremente.

**AJUSTES DE LAS RUEDAS**  
Para la fácil operación, lubrifique los ajustes de las ruedas por lo menos una vez cada estación con aceite ilígero.

NO accite ni engrase los cojinetes de las ruedas. Los lubricantes viscosos atrapán polvo y suciedad que acortarán la duración de los cojinetes auto lubrificantes. Si considera prescindible lubrificar las ruedas, use solamente un lubricante seco de silicona de vez en cuando.

**NOTA:** A pesar de que el aceite de mineral tiene una viscosidad (5E30, 10W30, etc), mejora el arranque en bajas temperaturas, estos aceites rinden menos al usarlos a temperaturas, estos aceites rinden menos a menudo para evitar dañar el nivel del aceite más a menudo para evitar dañar el motor debido al bajo contenido.

Use solamente acetite con detergente de alta calidad soon la clasificación API "SF, SG o SH". Selección el grado de viscosidad de acuerdo a su temperatura de operación antropada.

Se incluye con este contrato espesd una botella de 27 onzas de aceite de motor SAE 30.

#### LUBRICACIONES DEL ACEITE DE MOTOR

Relevanz

#### RESPONSABILIDADE

**DESIGN APEL IDADE**

CONTROL DE MANTENIMIENTO		FECHAS DE MANTENIMIENTO		Llene las fechas en las que regularmente se realizó el mantenimiento	
Revise el Aceite de Motor	✓	Después de Cada 25 Primeras 25 Horas	Cada 25 Horas	Realizó el mantenimiento	
Lubrifique el Cotorceped	✓				
Mantenimiento de la Cuchilla	✓				
Cambie el Aceite de Motor	✓				
Cambio de la Bujía	✓				
Cambio del Depurador de Aire	✓				
Limpieza	✓				

## RESPONSABILIDADES DEL PROPIETARIO

- Para mejorar resultados al costar el cesped normal

**RESPONSABILIDADES DEL PROPIETARIO**

- Para mejorar resultados al cortar el cesped normal o denso, siempre use el motor en la velocidad ALTA (HI). La velocidad BAJA (LOW) es sola-mente para el cortar el césped normal.
- Para mantener la cuchilla de la cuchilla de cortar el césped normal o denso, siempre use el motor en la velocidad ALTA (HI). La velocidad BAJA (LOW) es sola-mente para el cortar el césped normal.
- La condición del césped a la hora de cortarlo deter-mina la altura de corte adecuada para que el césped se vea bonito. Para mantener un jardín saludable, cortar siempre una tercera parte o menos de la longitud del césped.
- Bajo ciertas circunstancias, como por ejemplo si el césped es demasiado largo, puede ser necesario levantar la altura de corte para tener que empujar menos y para evitar recargar el motor y dejar gru-nos de zacate.
- Para cortes demasiado densos, use una velocidad más y reduzca lo ancho del corte.
- Bajo condiciones demasiado densas corta al basa y reduce la velocidad del motor.
- Traveso para triturar aún más los recortes de la superficie.

**RECOMENDACIONES GENERALES**

- Una vez por año debe de reemplazar la bujía, el depurador de aire y revisar a ver si la cuchilla tiene desgastes. El reemplazamiento de la bujía y el depurador de aire mejorará la duración del motor.
- Una vez por año debe de reemplazar la bujía, el depurador de aire y revisar a ver si la cuchilla tiene desgastes. El reemplazamiento de la bujía y el depurador de aire mejorará la duración del motor.
- Para poder mantener la garantía de su cortacésped, el cliente debe de realizar el mantenimiento abajo indicado.
- Para mantener la cuchilla de cortar el césped normal o denso, siempre use el motor en la velocidad ALTA (HI). La velocidad BAJA (LOW) es sola-mente para el cortar el césped normal.
- Para mantener la cuchilla de cortar el césped normal o denso, siempre use el motor en la velocidad ALTA (HI). La velocidad BAJA (LOW) es sola-mente para el cortar el césped normal.
- Para mantener la cuchilla de cortar el césped normal o denso, siempre use el motor en la velocidad ALTA (HI). La velocidad BAJA (LOW) es sola-mente para el cortar el césped normal.
- Para mantener la cuchilla de cortar el césped normal o denso, siempre use el motor en la velocidad ALTA (HI). La velocidad BAJA (LOW) es sola-mente para el cortar el césped normal.

**FIGURA 8.**

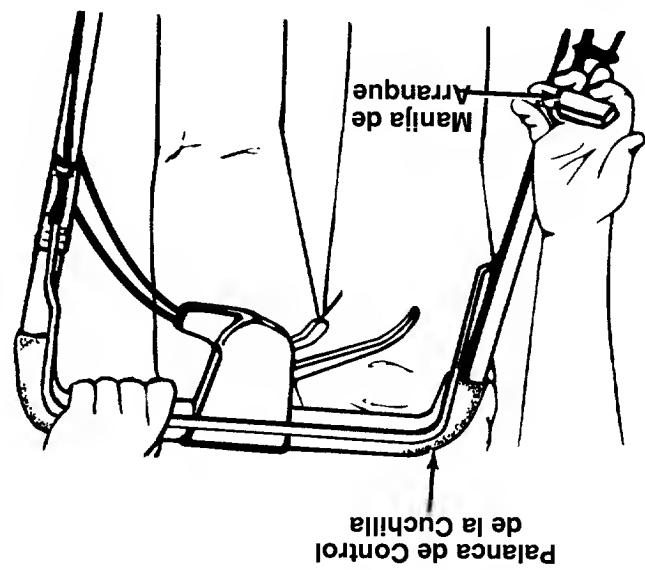
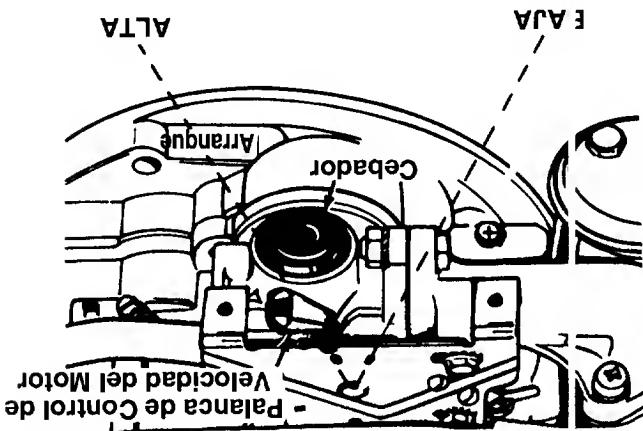


FIGURA 8.

Soft noga la palanca de control de la cuchilla con-  
tra el mango superior. Vea la figura 8. Agarre la  
pala cara de arriandue y jale la cuchilla lentamente  
hasta que el motor llegue al principio de su ciclo  
rotativo (o al llegar a este punto, notará un poco de  
resistencia en la cuchilla). Deje que la cuchilla vuel-  
va a la posición normal.  
Jale a cuadra con un movimiento rápido y contin-  
uo. Sostenga la manija firmemente. Deje que la  
cuchilla se enrolle despegado. No permita que la  
manija de arriandue se devuelva bruscamente  
hacié el arrancador.  
Si d sposues de jalar tres veces el motor no  
enciende, empuje el cebador cinco veces y vuelve  
a jalar la cuchilla otra vez.

## FIGURE 7.



ALIA

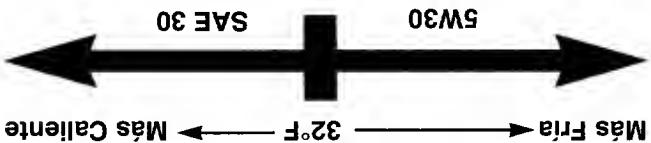
AJ

## OPERACIÓN

11

- Coloque la unidad de manera que el motor este en posición nivelada.
- Quite el tapón del tanque de aceite y el conunto de varilla de compuroporación. Agrégue el aceite desparramado hasta que el tanque de aceite esté lleno (FULL) en el variilla de compuroporación. La capacidad de la caja del cigüeñal es aproximadamente 27 onzas. NO LLENE DEMASIA DO.
- NOTA: El aceite de la caja del cigüeñal debe cambiarse despues de dos horas de operación y cada 25 horas (veinticinco) de shi en adelante. Vea la sección LUBRICACION DEL MOTOR.

**NOTA:** A pesar de que el aceite de múltiple viscosidad (5W30, 10W30, etc.) mejoría el arranque en bajas temperaturas, estos aceites rinden menos al usarlos a temperaturas mayores a los 32 grados F. Revise el nivel del aceite mas a menudo para evitar daños al motor debido al bajo contenido.



Use solamente aceite con detergente de alta calidad con la clasificación API "SF, SG o SH". Selección el grado de viscosidad de acuerdo a su temperatura de operación anticipada.

Se incluye una botella de 27 onzas de aceite SAE 30 con su cortacésped.

ANTES DE ENGENDEAR EL MOTOR

- **AJUSTE DE LA ALTURA DE COTRE**

Las planchas de ajuste para las ruedas se encuentran en la izquierda de la plataforma. Vea la figura 6. Las planchas se pueden colocar en una de las nueve posiciones disponibles. Ambas planchas deben siempre de colocar en la misma posición.

Levante las ruedas para cotre bajo y ruedas bajas para cotre alto.

Para cambiar la altura de cotre, muéva las planchas de ajuste hacia las ruedas. Muéva las ruedas hacia arriba o hacia abajo como sea necesario. Asegúrese de que ambas planchas se encuentren en el mismo nivel.

Ajuste la altura de cotre a sus necesidades. Vea la sección "Consejos Sobre el Corte de césped" en la página 10. (Los ajustes de altura cuando son nuevos pueden ser difíciles de mover. Funcionarán mejor después de ser usadas.)
- **• Ajuste la altura de cotre de acuerdo a sus necesidades.**

• Vea la sección "Consejos Sobre el Corte de césped" en la página 10. (Los ajustes de altura cuando son nuevos pueden ser difíciles de mover. Funcionarán mejor después de ser usadas.)

AJUSTE DE LA ALTURA DE CORTE



DE LA PAGINA 2 DE ESTE MANUAL, SIEMPRE TENGА CUIDADO.  
ANTES DE USAR SU CORTECSPED, DE NEVEO HAGA REFERENCIA A LAS "NORMAS DE SEGURIDAD".

## OPERAÇÃO

## COMO UTILIZAR SU GORTACESPED PARA PARAR EL MOTOR

## CONTROL DE VELOCIDAD DEL MOTOR

La velocidad del motor esta controlada por una plancha (botón rojo) que se encuentra en el lado izquierdo del motor. La posición "Hi" es para encender el motor, posición normal y mejor rendimiento. La posición "Low" es para el corte liviano, recortes y economía.

## PALANCA DE CONTROL DE LA CUCHILLA

## PALANCA DE CONTROL DEL EMBRAGUE

Para conectar el mando de las ruedas , apriete la palanca de control del embague contra el mango. Al soltar la palanca de control del embague las ruedas dejen de funcionar. Suelte la palanca de control del embrague para ir mas despegado al topar con un obstaculo, al doblar o al parar.

## PALANCA DE CAMBIOS

La palanca de cambios se encuentra debajo de la palanca de control del embrague de transmisión. La posición 1 es la velocidad más baja; posición 6 es la más rápida. Suelte la palanca de control del embrague al cambiar de velocidades.

**PALANCA DE CAMBIOS (VELOCIDAD)—**se usa para elevar la velocidad de las series velocidades. **Suelte el control para parar las ruedas.**

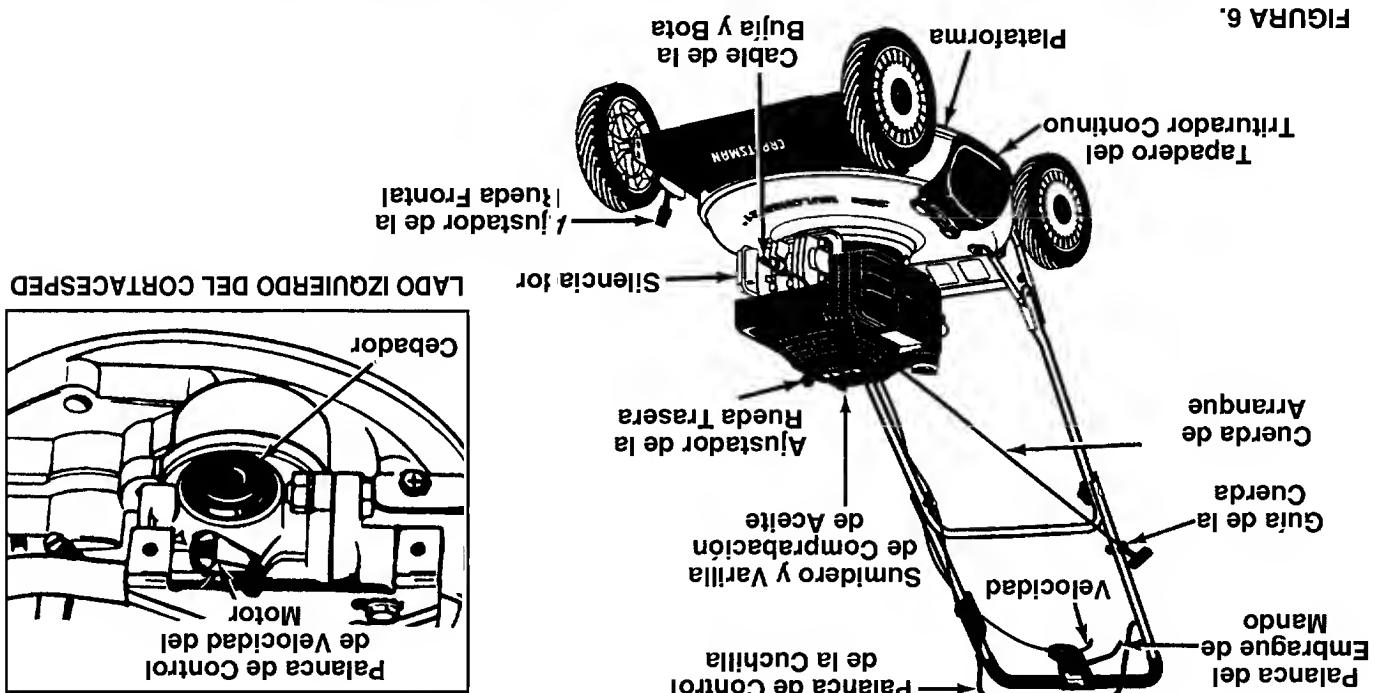
**SOSTENERSE CONTRA EL MANGO PARA CONECTAR LA TRANSMISIÓN.** Suelte el control para conectar la transmisión.

**CONTRAL DEL EMBRAGUE DE MANDO—**debe de sostenerse contra el mango para conectar la transmisión.

**MOTOR—**permite la selección de velocidad rápida—despacio).

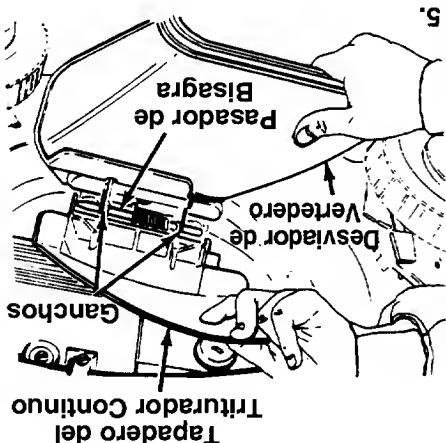
Los Contracesped Sears "Camina-Detras" cumplen con los requisitos de seguridad del American National Standards Institute y la U.S. Consumer Product Safety Commission. La cuchilla gira cuando el motor esta encendido.

## CUMPLE CON LOS REQUISITOS DE SEGURIDAD DE CUCHILLAS CPCS



LEA ESTE MANUAL Y LAS NORMAS DE SEGURIDAD ANTES DE PONER SU MÁQUINA EN FUNCIONAMIENTO. Compare las ilustraciones con su cortacesa y ed para familiarizarse con la localización de varios controles y ajustes. Guarde este manual para futuro uso.

## OPERACION



הנְּגָעָה

- Asegúrese de que todos los pernos y tuercas estén apretados. También, asegúrese de volver a conectar el cable de bujía antes de encender el cortacésped.
- Su cortacésped ha sido enviado como un cortador. Para descagar el césped al lado, preceda de la siguiente manera:
- Para convertir su cortacésped de un triturador con- tinuo a un cortacésped con descarga lateral, levante el tapaderos del triturador. Vea la figura 5. Deslice los dos ganchos en el deflector de descar- ga lateral debajo del pasador de bisagra en el con- junto del tapaderos del triturador de césped. Baje el tapaderos del triturador de despedidos de césped.

## ENSAMBLAJE

**IMPORANTE:** Esta unidad es enviada SIN GASOLINA o ACEITE en el motor. Asegúrese de administrar el aceite y gasolina al motor antes de ponerla en funcionamiento.

**NOTA:** Se pude ver el lado derecho o izquierdo del cortacésped desde la posición de operación.

## PARA SACAR LA MÁQUINA DE LA CAJA

- Desconecte el cable de la batería. Conecte a tierra el cable uniendo al poste de retención a tierra. El cable uniendo al poste de retención a tierra debe ser grueso. Ver la figura 1 y 2. (El cable de batería se demuelestra en la figura 1 sin la batería para más claridad.) Quite las piezas de cartón que se encuentran entre

## COMO MONTAR SU CORTACÉSPED

- Con un par de alicates, quite las prendas del aguero exterior en los pernos soldados que se encuentran en los soportes del mangó. Coloque las prendas en el agujero interior.
- La guilara para la cuerdra esta pegada al lado derecho del mangó superior. Afloje la tuerca mariposa que asegura la guilara para la cuerdra.
- Con el cable de bujía desconectado y puesto a tierra, sostenga la palanca superior de control de la cuchilla contra la palanca superior y jale la cuerdra de arranque lejos del motor. Suelte la palanca de control de la cuerdra de la cuchilla.
- Con el cable de bujía desconectado y puesto a tierra, apriete la tuerca mariposa.

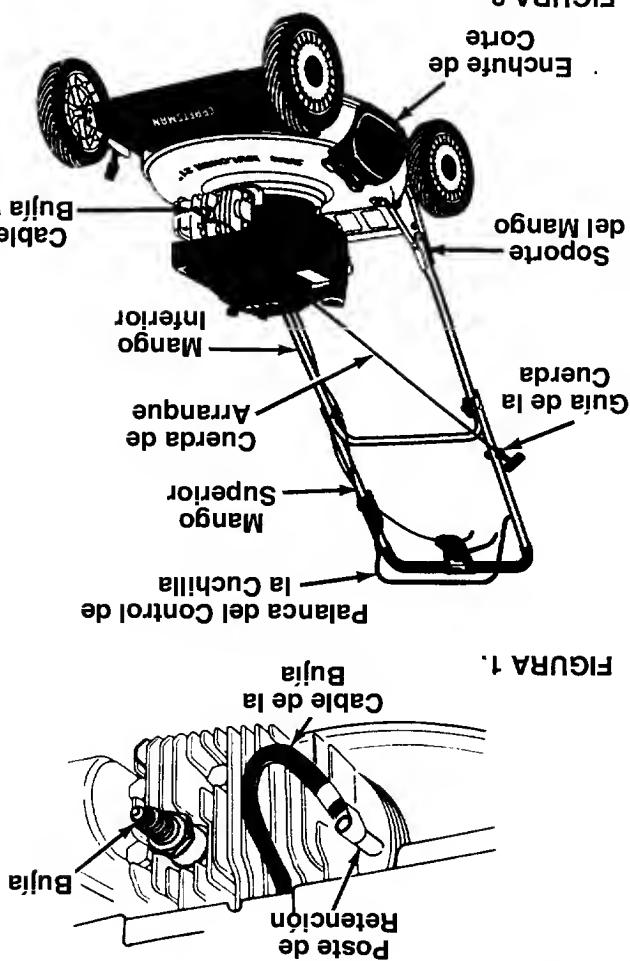


FIGURA 2.

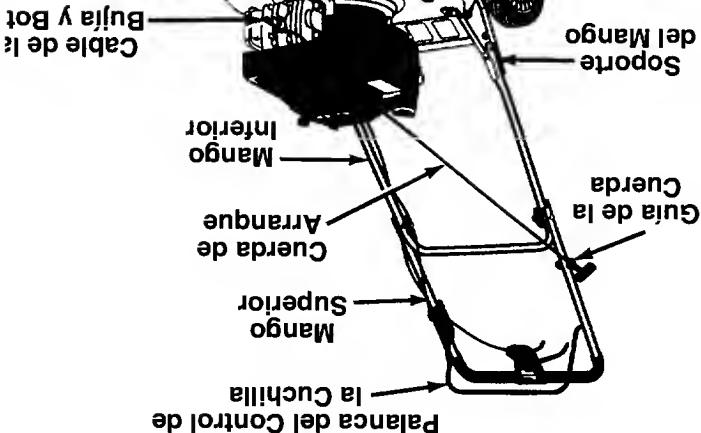


FIGURA 2.

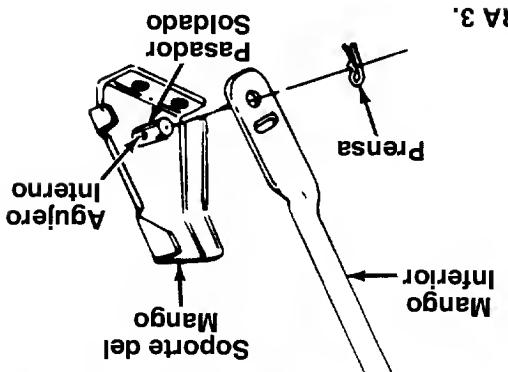


FIGURA 3.

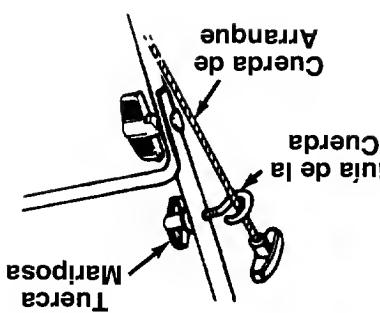
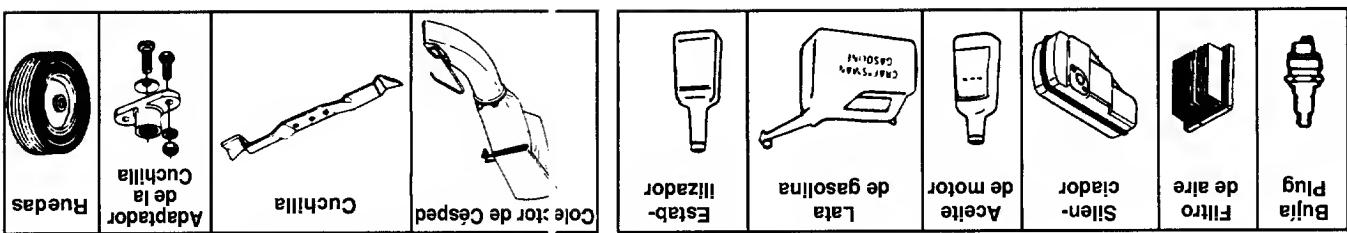


FIGURA 4.



## CORTECÉSPED

## MOTOR

Sears pueden ordenar esos artículos para usted si informa el número de modelo de su cortacésped. Estos accesorios estaban disponibles cuando la cortacésped se compró. Están también disponibles en la mayoría de las tiendas minoristas, por catálogo y en los centros de servicio de Sears. La mayoría de las tiendas ofrecen artículos para su cortacésped.

## ACCESORIOS

REGLAS DE SEGURIDAD .....	2, 3	OPERACIÓN .....	4	ESPECIFICACIONES DEL PRODUCTO .....	4	ACUERDO DE MANTENIMIENTO .....	4	RESPONSABILIDADES DEL PROPETARIO .....	10-12	ALMACENAMIENTO .....	13	MANTENIMIENTO Y AJUSTES .....	14-16	PIEZAS DE REPUESTO .....	16	LOCALIZACIÓN DE FALLAS .....	17	GARANTIA .....	4	ACCESORIOS .....	5	MEDIDOR DE PENDIENTES .....	18	ENSAMBLAJE .....	6, 7
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## TABLA DE MATERIAS

SEARS, ROEBUCK AND CO., DEPT. 817WA, HOFFMAN STATES, IL 60179

GARNITURA COMPLETA DE DOS ANOS PARA LA GASTRONEUMA CRAFTSMAN

GARANTIA

Estra disponibile para este producto un Acuerdo de Mantenimiento de Sears. Por detalles consulte a su agencia Sears más cercana.

## ACUERDO DE MANTENIMIENTO

Caballlos de fuerza:	6.0	Capacidad de aceite del motor:	SAE 30	Clasificación API:	SE, SG o SH	Capacidad de aceite del motor:	1-1/2 cuartos de galón	combustible	1-1/2 cuartos de galón	aproximadamente	(Sin plomo)	Bujía (Separación .030 pulg.)	Champion J-19LM	(o equivalente)	Momento de torsión del	450/600	perno de la cuchilla	pulgadas/libras
----------------------	-----	--------------------------------	--------	--------------------	-------------	--------------------------------	------------------------	-------------	------------------------	-----------------	-------------	-------------------------------	-----------------	-----------------	------------------------	---------	----------------------	-----------------

**FELICITACIONES** por su compra de una Gorra/capé de Craftsman Sears. Ha sido diseñada, concebida y fabricada para proporcionarle la confiabilidad y el funcionamiento mejor posible.

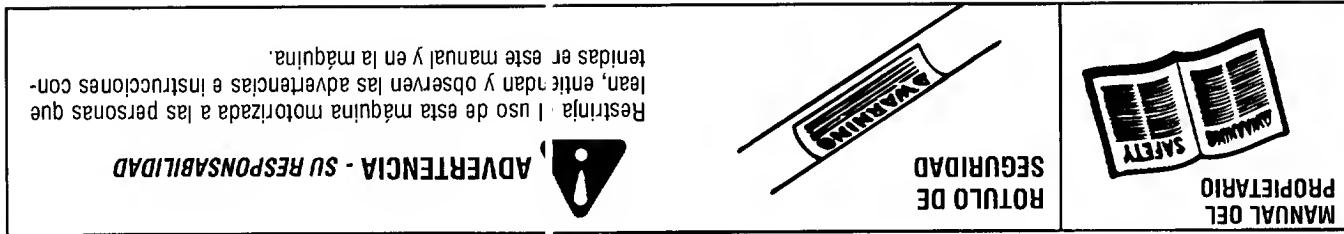
Por favor consúltale con su Centro/Departamento de Servicio Sears más cercano si experimenta algún problema que no puede solucionar fácilmente. Tenemos técnicos compuestos y bien entrenaos, y las herramientas apropiadas para servir o reparar esta unidad.

Por favor lea y guarde este manual. Las instrucciones le permitirán armar y mantener apropiadamente su cor- tacesped. Observe siempre las "REGLAS DE SEGURIDAD".

## RESPONSABILIDADES DEL PROPIETARIO

NUMEROS DE  
247.376380  
MODULO  
SERIE  
FECHA DE  
COMPRO  
NUMERO DE  
SERIE  
FECHA DE  
COMPRO  
SERIE EN EL MODELO Y EL NUMERO DE  
SE ENCONTRARAN EL MODELO Y EL NUMERO DE  
SERIE EN EL ROTULO PEGADO AL CUERPO DE LA  
CORTEZAS DE  
SERIE EN EL MODELO Y EL NUMERO DE  
USTED DEBEIRIA REGISTRAR AMBOS: EL NUMERO  
DE SERIE Y LA FECHA DE COMPRA Y GUARDARLO  
EN UN LUGAR SEGURO PARA REFERENCIA FUTURA.

- Leer y observar las reglas de seguridad.
- Observar un programa regular para mantener, cuidar, y usar su cotacésped.
- Observar las instrucciones bajo "Responsa- bilidades del Propietario" y "Almacenamiento" de este Manual del Operador.



## **NORMAS DE SEGURIDAD**

# IMPORTANTE

El Escape del Motor de este producto contiene químicos que de acuerdo a la California causan cancer, efectos de agravamiento u otros problemas de reproducción.

2

1A:

SÍMBOLO — PRESTE ATENCIÓN A SU ADVERTENCIA.

**SÍMBOLO**  PRESIDE AL ENCUENTRO A SU ADVERARIO.

INSTRUCCIONES QUE SE ENCONTRAN EN ESTE MUNDIAL  
SÍMBOLO DE PRESTE ATENCIÓN A SI ADVERTENCIA

INSTRUCCIONES QUE SE ENCUESTRAN EN ESTE MANUAL

RIGUROSAMENTE PARA EVITAR PELIGROS PARA EL OPERADOR

ESTE SÍMBOLO INDICA INSTRUCIONES IMPORTANTES

ESTE SIMBOLO INDICA INSTALACIONES IMPORTANTES

### WILSONIAN

## WEDDING

— INV-Law

# — MEDITATION

California casual California casual

ADVERTENCIA:

Piezas de Reparación  
 Mantenimiento y Ajustes  
 Responsabilidades del Propietario  
 Operación  
 Ensamblaje  
 CORTE SPEED CON MOTOR ROTATIVO  
 6 VELOCIDADES  
 21" IMPULSADO A POTENCIA  
 6.0 CABALLOS DE FUERZA

**CRAFTSMAN®**



Precaución:  
 Lea y observe  
 todas las regulas  
 y instrucciones  
 de seguridad antes  
 de operar este  
 equipo

247.376380  
 MODELO  
 NÚMERO DE  
 MANUAL DEL  
 PROPIETARIO  
 SEARS